

Discrete Devices

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Diodes			
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 Click on the icon to access the product page on ROHM's website. Please check the website for the latest updates.

Schottky Barrier Diodes

●Quick Reference for Small Signal Type Schottky Barrier Diodes

V _R (V)	I _O (mA)	Surface Mount type							
		0402 size		0603 size		1006 size		2012 size	
									
		DSN0402-2 (SMD0402)		DSN0603-2 (SMD0603)		DSN1006-2 (SMD1006)		DSN2012-2 (SMD2012)	
20	2,000					RB061QS-20	5		
30	100	RB522FS-30	1	RB522ES-30	2				
	200				RB520HS-30 RB532HS-30	3 4			
40	1,000					RB161QS-40	6		
	1,500					RB160QS-40	7		
	4,000*1							New RB080AR-40	8

Note: (): ROHM Packages.

*1 It is not I_O (Average rectified forward current) but I_F (Forward current) notation.

Schottky Barrier Diodes

●Quick Reference for Small Signal Type Schottky Barrier Diodes

V _R (V)	I _o (mA)	Surface Mount type									
		1006 size		1608 size	2512 size	2514 size	1616 size	2120 size		2924 size	
											
		SOD-923 (VMN2M)	DFN1006-2W (DFN1006-2W)	SOD-523 (EMD2)	SOD-323FL (UMD2)	SOD-323HE (TUMD2M)	SOT-416FL (EMD3F)	SOT-323FL (UMD3F)	SOT-323 (UMD3)	SOT-23 (SSD3)	
20	500		New RB551ASA-30	20	RB551VM-30	44	RB411VAM-50	69			
	700								RB461FM	123	
	1,000					RB162VAM-20 RB161VAM-20 RBE1VAM20A	70 71 72				
	2,000					RBE2VAM20A	73				
30	30	RB751CM-40	9 RB751ASA-40	21	RB751SM-40	26	RB751VM-40	45			
	100	RB520CM-30	10		RB510SM-30	27	RB510VM-30	46	RB548WM RB557WM RB558WM	114 109 115	
		RB521CM-30	11		RB511SM-30	28	RB530VM-30	47			
		RB530CM-30	12		RB500SM-30	29	RB511VM-30	48			
		RB531CM-30	13		RB501SM-30	30	RB531VM-30	49			
	200		RB520ASA-30	22	RB520SM-30	31	RB520VM-30	50			BAT54CHY BAT54AHY BAT54SHY BAT54HY
			RB521ASA-30	23	RB521SM-30	32	RB521VM-30	51			
					RB530SM-30	33	RB540VM-30	52			
					RB531SM-30	34	RB541VM-30	53			
	500		New RB550ASA-30	24		RB550VM-30	54	RSX051VAM30 RSX051VYM30	74 75		
	700							RSX071VAM30 RSX071VYM30	76 77		
	1,000							RB168VAM-30 RB168VYM-30 RB550VAM-30 RB550VYM-30 RSX101VAM30 RSX101VYM30	78 79 80 81 82 83		
								RSX201VAM30 RSX201VYM30	84 85		
	1,500										
40	30							RB715WM RB706WM-40	103 116	RB715UM RB717UM RB706UM-40	104 110 117
	80									RB715FM-40	106
	100	RB530CM-40	14		RB510SM-40	35	RB510VM-40	55	RB451UM RB450UM	121 122	
		RB531CM-40	15		RB511SM-40	36	RB530VM-40	56			
		RB520CM-40	16		RB530SM-40	37	RB531VM-40	57			
		RB521CM-40	17		RB531SM-40	38	RB500VM-40 RB501VM-40	58 59 60			
	120										BAS40-05HY BAS40-06HY BAS40-04HY BAS40HY
	200		RB520ASA-40	25	RB540SM-40 RB541SM-40 RB520SM-40 RB521SM-40	39 40 41 42	RB540VM-40 RB541VM-40 RB520VM-40 RB521VM-40 RB550VM-40 RB551VM-40	61 62 63 64 65 66			
							RB560VM-40 RB561VM-40	67 68			
	500							RB400VAM-50 RB400VYM-50	86 87		
	1,000							RB160VAM-40 RB160VYM-40 RB168VAM-40 RB168VYM-40	88 89 90 91		
60	100	RB530CM-60	18								
		RB520CM-60	19								
	200				RB521SM-60	43					
90	1,000							RB160VAM-60 RB168VAM-60 RB168VYM-60	92 93 94		
	200							RB021VAM90	95		
100	700							RB578VAM100 RB578VYM100	96 97		
	1,000							RB168VAM100 RB168VYM100	98 99		
150	500							RB558VAM150	100		
	1,000							RB168VAM150 RB168VYM150	101 102		

Note: () : ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes
 Example: **R B 7 5 1 S M - 4 0 F H T 2 R**
 Part No. Grade Code Taping Code

Small Signal Type Schottky Barrier Diodes 1														
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)*2				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (mA)	I _{FSM} (A)*2 60Hz.1~	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)		
1	RB522FS-30	*	—	T27R	30	30	100	0.5	0.37	10	7	10	DSN0402-2 (SMD0402)	—
2	RB522ES-30		—	T15R	30	30	100	0.5	0.37	10	7	10	DSN0603-2 (SMD0603)	—
3	RB520HS-30		—	T15R	30	30	200	1.5	0.43	10	0.3	10	DSN0603-2 (SMD0603B)	—
4	RB532HS-30		—	T15R	30	30	200	1.5	0.3	10	15	10		—
5	RB061QS-20		—	T18R	20	20	2,000	15	0.47	2,000	200	10	DSN1006-2 (SMD1006)	—
6	RB161QS-40		—	T18R	40	40	1,000	7	0.6	1,000	100	10		—
7	RB160QS-40		—	T18R	40	40	1,500	10	0.65	1,500	1	10		—
8	New RB080AR-40		—	T7R	40	40	4,000*3	40	0.63	4,000	200	40	DSN2012-2 (SMD2012)	—
9	RB751CM-40		—	T2R	40	30	30	0.2	0.37	1	0.5	30	SOD-923 (VMN2M)	—
10	RB520CM-30		—	T2R	—	30	100	0.5	0.45	10	0.5	10		—
11	RB521CM-30		—	T2R	—	30	100	0.5	0.35	10	10	10		—
12	RB530CM-30		—	T2R	30	30	100	0.5	0.46	10	0.3	10		—
13	RB531CM-30		—	T2R	30	30	100	0.5	0.37	10	7	10		—
14	RB530CM-40		—	T2R	40	40	100	0.5	0.48	10	2	40		—
15	RB531CM-40		—	T2R	40	40	100	0.5	0.41	10	25	40		—
16	RB520CM-40		—	T2R	40	40	100	1	0.71	100	15	40		—
17	RB521CM-40		—	T2R	40	40	100	1	0.61	100	100	40		—
18	RB530CM-60		—	T2R	60	60	100	0.2	0.54	10	1	60		—
19	RB520CM-60		—	T2R	60	60	100	0.5	0.44	10	3	60		—
20	New RB551ASA-30	—	FH	T2RB	30	20	500	1	0.47	500	100	20	DFN1006-2W (DFN1006-2W)	YES
21	RB751ASA-40		FH	T2RB	40	30	30	0.2	0.37	1	0.5	30		YES
22	RB520ASA-30		FH	T2RB	30	30	200	1	0.58	200	1	10		YES
23	RB521ASA-30		FH	T2RB	30	30	200	1	0.47	200	30	10		YES
24	New RB550ASA-30		FH	T2RB	30	30	500	1	0.59	500	35	30		YES
25	RB520ASA-40		FH	T2RB	40	40	200	1	0.55	100	10	40		YES
26	RB751SM-40	*	FH	T2R	40	30	30	0.2	0.37	1	0.5	30	SOD-523 (EMD2)	YES
27	RB510SM-30		—	T2R	30	30	100	0.5	0.46	10	0.3	10		—
28	RB511SM-30		—	T2R	30	30	100	0.5	0.37	10	7	10		—
29	RB500SM-30		FH	T2R	30	30	100	1	0.45	10	0.5	10		YES
30	RB501SM-30		FH	T2R	30	30	100	1	0.35	10	10	10		YES
31	RB520SM-30		FH	T2R	—	30	200	1	0.58	200	1	10		YES
32	RB521SM-30		FH	T2R	—	30	200	1	0.47	200	30	10		YES
33	RB530SM-30		FH	T2R	—	30	200	1	0.45	10	0.5	10		YES
34	RB531SM-30		FH	T2R	—	30	200	1	0.35	10	10	10		YES
35	RB510SM-40		FH	T2R	40	40	100	0.5	0.48	10	2	40		—
36	RB511SM-40		—	T2R	40	40	100	0.5	0.41	10	25	40		—
37	RB530SM-40		FH	T2R	40	40	100	1	0.71	100	15	40		YES
38	RB531SM-40		—	T2R	40	40	100	1	0.61	100	100	40		—
39	RB540SM-40		—	T2R	40	40	200	1	0.71	100	15	40		—
40	RB541SM-40		—	T2R	40	40	200	1	0.61	100	100	40		—
41	RB520SM-40		FH	T2R	45	40	200	1	0.55	100	10	40		YES
42	RB521SM-40		FH	T2R	45	40	200	1	0.54	200	90	40		YES
43	RB521SM-60		FH	T2R	60	60	200	1	0.6	200	100	60		YES

*General Part No. have no grade code.
 *1 I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.
 *2 Value/Chip
 *3 It is not I_O (Average rectified forward current) but I_F (Forward current) notation.
 Note: (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example: **R B 5 2 1 V M - 3 0 F H T E - 1 7**
 Part No. Grade Code Taping Code

Small Signal Type Schottky Barrier Diodes 2

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)*2				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (mA)	I _{FSM} (A)*2 60Hz.1~3	V _F (V) Max		I _R (μA) Max					
		General	Automotive							I _F (mA)		V _R (V)				
44	RB551VM-30	*	—	TE-17	30	20	500	2	0.47	500	100	20	SOD-323FL (UMD2)		—	
45	RB751VM-40		FH	TE-17	40	30	30	0.2	0.37	1	0.5	30			YES	
46	RB510VM-30		FH	TE-17	30	30	100	0.5	0.46	10	0.3	10			YES	
47	RB530VM-30		FH	TE-17	30	30	100	0.5	0.45	10	0.5	10			YES	
48	RB511VM-30		—	TE-17	30	30	100	0.5	0.37	10	7	10			—	
49	RB531VM-30		—	TE-17	30	30	100	1	0.49	100	10	10			—	
50	RB520VM-30		FH	TE-17	30	30	200	1	0.58	200	1	10			YES	
51	RB521VM-30		FH	TE-17	30	30	200	1	0.47	200	30	10			YES	
52	RB540VM-30		—	TE-17	30	30	200	1	0.45	10	0.5	10			—	
53	RB541VM-30		—	TE-17	30	30	200	1	0.64	200	10	10			—	
54	RB550VM-30		—	TE-17	30	30	500	1	0.59	500	35	30			—	
55	RB510VM-40		—	TE-17	40	40	100	0.5	0.48	10	2	40			—	
56	RB511VM-40		—	TE-17	40	40	100	0.5	0.41	10	25	40			—	
57	RB530VM-40		FH	TE-17	40	40	100	1	0.69	100	15	40			YES	
58	RB531VM-40		—	TE-17	40	40	100	1	0.61	100	100	40			—	
59	RB500VM-40		FH	TE-17	45	40	100	1	0.45	10	1	10			YES	
60	RB501VM-40		FH	TE-17	45	40	100	1	0.55	100	30	10			YES	
61	RB540VM-40		—	TE-17	40	40	200	1	0.71	100	15	40			—	
62	RB541VM-40		—	TE-17	40	40	200	1	0.61	100	100	40			—	
63	RB520VM-40		FH	TE-17	40	40	200	1	0.55	100	10	40			YES	
64	RB521VM-40		FH	TE-17	40	40	200	1	0.54	200	90	40			YES	
65	RB550VM-40		—	TE-17	40	40	200	1	0.51	200	40	40			—	
66	RB551VM-40		FH	TE-17	40	40	200	1	0.43	200	300	40			YES	
67	RB560VM-40		FH	TE-17	40	40	500	2	0.64	500	40	40			YES	
68	RB561VM-40		—	TE-17	40	40	500	2	0.56	500	300	40			—	
69	RB411VAM-50		—	TR	50	20	500	3	0.5	500	30	10			SOD-323HE (TUMD2M)	—
70	RB162VAM-20		—	TR	25	20	1,000	5	0.4	1,000	1,200	20				—
71	RB161VAM-20		—	TR	30	20	1,000	5	0.42	1,000	1,000	20				—
72	RBE1VAM20A		—	TR	30	20	1,000	3	0.53	1,000	200	20				—
73	RBE2VAM20A		—	TR	30	20	2,000	5	0.46	2,000	700	20				—
74	RSX051VAM30		—	TR	30	30	500	5	0.39	500	200	30				—
75	RSX051VYM30		—	FH	TR	30	30	500	5	0.39	500	200				30
76	RSX071VAM30	*	—	TR	30	30	700	5	0.42	700	200	30	—			
77	RSX071VYM30	—	FH	TR	30	30	700	5	0.42	700	200	30	YES			
78	RB168VAM-30	*	—	TR	30	30	1,000	5	0.73	1,000	0.3	30	—			
79	RB168VYM-30	—	FH	TR	30	30	1,000	5	0.73	1,000	0.3	30	YES			
80	RB550VAM-30	*	—	TR	30	30	1,000	5	0.52	1,000	30	10	—			
81	RB550VYM-30	—	FH	TR	30	30	1,000	3	0.52	1,000	30	10	YES			
82	RSX101VAM30	*	—	TR	30	30	1,000	5	0.47	1,000	200	30	—			
83	RSX101VYM30	—	FH	TR	30	30	1,000	5	0.47	1,000	200	30	YES			
84	RSX201VAM30	*	—	TR	30	30	1,500	8	0.46	1,500	300	30	—			
85	RSX201VYM30	—	FH	TR	30	30	1,500	8	0.46	1,500	300	30	YES			
86	RB400VAM-50	*	—	TR	50	40	500	3	0.55	500	50	30	—			
87	RB400VYM-50	—	FH	TR	50	40	500	3	0.55	500	50	30	YES			

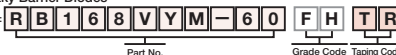
*General Part No. have no grade code.

*1 I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.

*2 Value/Chip

Note: (): ROHM Packages.

Schottky Barrier Diodes

Example:  Part No. Grade Code Taping Code

Small Signal Type Schottky Barrier Diodes 3																
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)*2				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (mA)	I _{FSM} (A)*2 60Hz.1 ^③	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)				
		General	Automotive													
88	RB160VAM-40	★	—	TR	40	40	1,000	10	0.55	700	50	40	SOD-323HE (TUMD2M)		—	
89	RB160VYM-40	—	FH	TR	40	40	1,000	10	0.55	700	50	40			YES	
90	RB168VAM-40	★	—	TR	40	40	1,000	5	0.79	1,000	0.5	40			—	
91	RB168VYM-40	—	FH	TR	40	40	1,000	5	0.79	1,000	0.5	40			YES	
92	RB160VAM-60	★	—	TR	60	60	1,000	5	0.67	1,000	40	60			—	
93	RB168VAM-60	★	—	TR	60	60	1,000	5	0.82	1,000	1	60			—	
94	RB168VYM-60	—	FH	TR	60	60	1,000	5	0.82	1,000	1	60			YES	
95	RB021VAM90	★	—	TR	90	90	200	5	0.49	200	900	90			—	
96	RB578VAM100	★	—	TR	100	100	700	5	0.85	700	0.2	100			—	
97	RB578VYM100	—	FH	TR	100	100	700	5	0.85	700	0.2	100			YES	
98	RB168VAM100	★	—	TR	100	100	1,000	5	0.84	1,000	0.3	100			—	
99	RB168VYM100	—	FH	TR	100	100	1,000	5	0.84	1,000	0.3	100			YES	
100	RB558VAM150	★	—	TR	150	150	500	3	0.95	500	0.5	150			—	
101	RB168VAM150	★	—	TR	150	150	1,000	5	0.89	1,000	1	150			—	
102	RB168VYM150	—	FH	TR	150	150	1,000	5	0.89	1,000	1	150			YES	
103	RB715WM	★	FH	TL	40	40	30*2	0.2	0.37	1	1	10	SOT-416FL (EMD3F)		YES	
104	RB715UM	★	—	TL	40	40	30	0.2	0.37	1	1	10	SOT-323FL (UMD3F)		—	
105	RB508FM-40C	—	FH	T106	40	40	80	1	0.48	1	0.035	30	SOT-323 (UMD3)		YES	
106	RB715FM-40	★	FH	T106	40	40	30	0.2	0.37	1	1	10	SOT-23 (SSD3)		YES	
107	BAT54CHY		FH	T116	30	30	200*2	0.6	0.8	100	2	25			YES	
108	BAS40-05HY		FH	T116	40	40	120*2	0.6	0.5	10	1	30	SOT-416FL (EMD3F)		YES	
109	RB557WM		—	TL	—	30	100*2	0.5	0.49	100	10	10			—	
110	RB717UM	*	—	TL	45	40	30*2	0.2	0.37	1	1	30	SOT-323FL (UMD3F)		—	
111	RB508FM-40A	—	FH	T106	40	40	80	1	0.48	1	0.035	30	SOT-323 (UMD3)		YES	
112	BAT54AHY	★	FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)		YES	
113	BAS40-06HY		FH	T116	40	40	120*2	0.6	0.5	10	1	30			YES	
114	RB548WM		—	TL	—	30	100*2	0.5	0.45	10	0.5	10	SOT-416FL (EMD3F)		—	
115	RB558WM		—	TL	—	30	100*2	0.5	0.49	100	10	10			—	
116	RB706WM-40	—	TL	45	40	30*2	0.2	0.37	1	0.5	30	—				
117	RB706UM-40	—	TL	45	40	30*2	0.2	0.37	1	1	30	SOT-323FL (UMD3F)			—	
118	RB508FM-40S	—	FH	T106	40	40	80	1	0.48	1	0.035	30		SOT-323 (UMD3)	YES	
119	BAT54SHY	★	FH	T116	30	30	200*2	0.6	0.8	100	2	25		SOT-23 (SSD3)		YES
120	BAS40-04HY		FH	T116	40	40	120*2	0.6	0.5	10	1	30				YES
121	RB451UM		—	TL	40	40	100	1	0.45	100	90	40		SOT-323FL (UMD3F)		—
122	RB450UM		—	TL	45	40	100	1	0.55	100	10	40	—			
123	RB461FM	*	FH	T106	25	20	700	3	0.49	700	200	20	SOT-323 (UMD3)		YES	
124	RB508FM-40	—	FH	T106	40	40	80	1	0.48	1	0.035	30			YES	
125	BAT54HY	★	FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)		YES	
126	BAS40HY		FH	T116	40	40	120	0.6	0.5	10	1	30			YES	

*General Part No. have no grade code.

*1 I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.

*2 Value/Chip

Note: (): ROHM Packages.

Schottky Barrier Diodes

●Quick Reference for Middle Power Schottky Barrier Diodes (High Efficient type)

V _R (V)	I _O (A)	Surface Mount type														
		2513 size		3516 size				4725 size				5026 size				
																
		(PMDE)		SOD-123FL (PMDU)		SOD-123FL (PMDUP)		SOD-128 (PMDTM)		SOD-128 (PMDTP)		DO-214AC SMA (PMDS)				
		Low I _R type		Low V _F /Low I _R type		Low I _R type		Ultra Low I _R type		Low V _F /Low I _R type		Low I _R type		Ultra Low I _R type		Low V _F /Low I _R type
20	5							RSX501LAM20	2							
30	1			RSX101MM-30	1											
	2							RSX201LAM30	3					RSX201L-30	6	
	3							RSX205LAM30	4					RSX205L-30	7	
100	2	YQ2VWM10B	9			YQ2MM10A	10									
	3															
	2									YQ3LAM10D	11					
200	2							RSX068MP2S	12							
	3												RSX048LAP2S	13		
	5												RSX058LAP2S	14		
													RSX088LAP2S	15		

Note: (): ROHM Packages.

●Quick Reference for Middle Power Schottky Barrier Diodes (Standard type)

V _R (V)	I _O (A)	Surface Mount type																				
		2513 size		3516 size				4725 size				5026 size		5336 size								
																						
		(PMDE)		SOD-123FL (PMDU)				SOD-128 (PMDTM)				DO-214AC SMA (PMDS)		DO-214AA SMB (SMBP)								
		Low V _F type	Ultra Low I _s type	Ultra Low V _F type	Low V _F type	Ultra Low I _s type	Ultra Low V _F type	Low V _F type	Ultra Low I _s type	Low V _F type	Ultra Low I _s type	Low V _F type	Ultra Low I _s type	Low V _F type	Ultra Low I _s type							
20	1			RBS1MM40A	16			RBS1LAM40A	22													
	2			RBS2MM40A RBS2MM40B RBS2MM40C	17 18 19			RBS2LAM40A RBS2LAM40B RBS2LAM40C	23 24 25													
	3			RBS3MM40A RBS3MM40B	20 21			RBS3LAM40A RBS3LAM40B RBS3LAM40C	26 27 28													
	5							RBS5LAM40A	29													
30	1	RBR1VWM30A	30	RB168VWM-30	97		RBR1MM30A	36	RB168MM-30	107		RBR1LAM30A	53	RB168LAM-30	117	RBR1L30A	72	RB168L-30	137			
	2	RBR2VWM30A	31	RB068VWM-30	98		RBR2MM30A RBR2MM30B	37 38	RB068MM-30	108		RBR2LAM30A	54	RB068LAM-30	118	RBR2L30A	73	RB068L-30	138	New RBR2LB30A	91	
	3						RBR3MM30A	39				RBR3LAM30A RBR3LAM30B	55 56	RB058LAM-30	119	RBR3L30A RBR3L30B	74 75			New RBR3LB30B	92	
	5											RBR5LAM30A RBR5LAM30B	57 58	RB088LAM-30	120	RBR5L30A RBR5L30B	76 77					
40	1	RBR1VWM40A	32	RB168VWM-40	99		RBR1MM40A	40	RB168MM-40	109		RBR1LAM40A	59	RB168LAM-40	121	RBR1L40A	78	RB168L-40	139			
	2	RBR2VWM40A	33	RB068VWM-40	100		RBR2MM40A RBR2MM40B RBR2MM40C	41 42 43	RB068MM-40	110		RBR2LAM40A	60	RB068LAM-40	122	RBR2L40A	79	RB068L-40	140	New RBR2LB40C	93	
	3						RBR3MM40A RBR3MM40B	44 45				RBR3LAM40A RBR3LAM40B RBR3LAM40C	61 62 63	RB058LAM-40	123	RBR3L40A RBR3L40B RBR3L40C	80 81 82	RB058L-40	141	New RBR3LB40C	94	
	5											RBR5LAM40A	64	RB088LAM-40	124	RBR5L40A	83					
60	1	RBR1VWM60A	34	RB168VWM-60	101		RBR1MM60A	46	RB168MM-60	111		RBR1LAM60A	65	RB168LAM-60	125	RBR1L60A	84	RB168L-60	142			
	2	RBR2VWM60A	35	RB068VWM-60	102		RBR2MM60A RBR2MM60B RBR2MM60C	47 48 49	RB068MM-60	112		RBR2LAM60A RBR2LAM60B	66 67	RB068LAM-60	126	RBR2L60A RBR2L60B	85 86	RB068L-60	143	New RBR2LB60B	95	
	3						RBR3MM60A RBR3MM60B	50 51				RBR3LAM60A RBR3LAM60B	68 69	RB058LAM-60	127	RBR3L60A RBR3L60B	87 88	RB058L-60	144	New RBR3LB60B	96	
	5											RBR5LAM60A	70	RB088LAM-60	128	RBR5L60A	89					
90	1						RB160MM-90	52				RB160LAM-90	71			RB160L-90	90					
100	1			RB168VWM100	103				RB168MM100	113			RB168LAM100	129			RB168L100	145				
	2			RB068VWM100	104				RB068MM100	114			RB068LAM100	130			RB068L100	146			New RB068LB100	150
	3												RB058LAM100	131							New RB058LB100	151
	5												RB088LAM100	132								
150	1			RB168VWM150	105				RB168MM150	115			RB168LAM150	133			RB168L150	147				
	2			RB068VWM150	106								RB068LAM150	134			RB068L150	148				
	3												RB058LAM150	135			RB058L150	149				
	5												RB088LAM150	136								
200	1								RB168MM200	116												

Note: (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example:

R	S	X	1	0	1	M	M	-	3	0	T	F	T	R
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Part No. Grade Code Taping Code

Middle Power Schottky Barrier Diodes (High Efficient type)																
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)				
		General	Automotive													
Low V _F /Low I _R type																
1	RSX101MM-30	*	TF	TR	30	30	1	45	0.39	1	0.2	30	SOD-123FL (PMDU)		YES	
2	RSX501LAM20	*	—	TR	20	20	5	100	0.39	3	0.5	20	SOD-128 (PMDTM)		—	
3	RSX201LAM30		TF	TR	30	30	2	60	0.44	2	0.15	30			YES	
4	RSX205LAM30		TF	TR	30	30	2	60	0.49	2	0.2	30			YES	
5	RSX301LAM30		TF	TR	30	30	3	100	0.42	3	0.2	15			YES	
6	RSX201L-30	—	DD	TE25	30	30	2	60	0.44	2	0.15	30	DO-214AC SMA (PMDS)		YES	
7	RSX205L-30		TF	TE25	30	30	2	60	0.49	2	0.2	30			YES	
8	RSX301L-30		DD	TE25	30	30	3	70	0.42	3	0.2	30			YES	
Low I _R type																
9	YQ2VWM10B	*	TF	TR	100	100	2	30	0.77	2	0.01	100	(PMDE)		YES	
10	YQ2MM10A	*	TF	TR	100	100	2	30	0.77	2	0.01	100	SOD-123FL (PMDU)		YES	
11	YQ3LAM10D	*	TF	TR	100	100	3	80	0.64	3	0.03	100	SOD-128 (PMDTM)		YES	
Ultra Low I _R type																
12	RSX068MP2S	*	—	TR	200	200	2	50	0.89	2	0.0001	200	SOD-123FL (PMDUP)		—	
13	RSX048LAP2S	*	—	TR	200	200	3	75	0.87	3	0.0002	200	SOD-128 (PMDTP)		—	
14	RSX058LAP2S		—	TR	200	200	3	50	0.92	3	0.0001	200			—	
15	RSX088LAP2S		—	TR	200	200	5	75	0.92	5	0.0002	200			—	

*General Part No. have no grade code.
Note: (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example: **RBR1VWM30ATFTR**
 Part No. Grade Code Taping Code

Middle Power Schottky Barrier Diodes (Standard type) 1

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
		General	Automotive												
Ultra Low V _F type															
16	RBS1MM40A	*	—	TR	40	20	1	25	0.38	1	0.4	20	SOD-123FL (PMDU)		—
17	RBS2MM40A		—	TR	40	20	2	25	0.48	2	0.4	20			—
18	RBS2MM40B		—	TR	40	20	2	35	0.41	2	0.5	20			—
19	RBS2MM40C		—	TR	40	20	2	45	0.39	2	0.6	20			—
20	RBS3MM40A		—	TR	40	20	3	35	0.49	3	0.5	20			—
21	RBS3MM40B		—	TR	40	20	3	45	0.45	3	0.6	20			—
22	RBS1LAM40A	*	—	TR	40	20	1	40	0.38	1	0.4	20	SOD-128 (PMDTM)		—
23	RBS2LAM40A		—	TR	40	20	2	40	0.48	2	0.4	20			—
24	RBS2LAM40B		—	TR	40	20	2	50	0.41	2	0.5	20			—
25	RBS2LAM40C		—	TR	40	20	2	80	0.37	2	0.8	20			—
26	RBS3LAM40A		—	TR	40	20	3	50	0.49	3	0.5	20			—
27	RBS3LAM40B		—	TR	40	20	3	60	0.45	3	0.6	20			—
28	RBS3LAM40C		—	TR	40	20	3	80	0.4	3	0.8	20			—
29	RBS5LAM40A		—	TR	40	20	5	80	0.49	5	0.8	20			—
Low V _F type															
30	RBR1VWM30A	*	TF	TR	30	30	1	30	0.48	1	0.05	30	(PMDE)		YES
31	RBR2VWM30A		TF	TR	30	30	2	30	0.53	2	0.05	30			YES
32	RBR1VWM40A		TF	TR	40	40	1	20	0.52	1	0.05	40			YES
33	RBR2VWM40A		TF	TR	40	40	2	20	0.62	2	0.05	40			YES
34	RBR1VWM60A		TF	TR	60	60	1	20	0.53	1	0.075	60			YES
35	RBR2VWM60A		TF	TR	60	60	2	20	0.65	2	0.075	60			YES
36	RBR1MM30A	*	TF	TR	30	30	1	30	0.48	1	0.05	30	SOD-123FL (PMDU)		YES
37	RBR2MM30A		TF	TR	30	30	2	30	0.53	2	0.05	30			YES
38	RBR2MM30B		TF	TR	30	30	2	30	0.49	2	0.08	30			YES
39	RBR3MM30A		TF	TR	30	30	3	30	0.51	3	0.1	30			YES
40	RBR1MM40A		TF	TR	40	40	1	20	0.52	1	0.05	40			YES
41	RBR2MM40A		TF	TR	40	40	2	20	0.62	2	0.05	40			YES
42	RBR2MM40B		TF	TR	40	40	2	30	0.55	2	0.08	40			YES
43	RBR2MM40C		TF	TR	40	40	2	30	0.52	2	0.1	40			YES
44	RBR3MM40A		TF	TR	40	40	3	30	0.62	3	0.08	40			YES
45	RBR3MM40B		TF	TR	40	40	3	30	0.58	3	0.1	40			YES
46	RBR1MM60A		TF	TR	60	60	1	20	0.53	1	0.075	60			YES
47	RBR2MM60A		TF	TR	60	60	2	20	0.65	2	0.075	60			YES
48	RBR2MM60B		TF	TR	60	60	2	30	0.58	2	0.1	60			YES
49	RBR2MM60C		TF	TR	60	60	2	30	0.55	2	0.12	60			YES
50	RBR3MM60A		TF	TR	60	60	3	30	0.66	3	0.1	60			YES
51	RBR3MM60B		TF	TR	60	60	3	30	0.61	3	0.12	60			YES
52	RB160MM-90		TF	TR	90	90	1	30	0.73	1	0.1	90			YES
53	RBR1LAM30A	*	TF	TR	30	30	1	40	0.48	1	0.05	30	SOD-128 (PMDTM)		YES
54	RBR2LAM30A		TF	TR	30	30	2	45	0.49	2	0.08	30			YES
55	RBR3LAM30A		TF	TR	30	30	3	40	0.58	3	0.05	30			YES
56	RBR3LAM30B		TF	TR	30	30	3	45	0.53	3	0.08	30			YES
57	RBR5LAM30A		TF	TR	30	30	5	75	0.54	5	0.1	30			YES
58	RBR5LAM30B		TF	TR	30	30	5	100	0.49	5	0.15	30			YES
59	RBR1LAM40A		TF	TR	40	40	1	40	0.52	1	0.05	40			YES
60	RBR2LAM40A		TF	TR	40	40	2	45	0.55	2	0.08	40			YES
61	RBR3LAM40A		TF	TR	40	40	3	40	0.69	3	0.05	40			YES
62	RBR3LAM40B		TF	TR	40	40	3	45	0.62	3	0.08	40			YES
63	RBR3LAM40C		TF	TR	40	40	3	75	0.55	3	0.1	40			YES
64	RBR5LAM40A		TF	TR	40	40	5	100	0.53	5	0.2	40			YES
65	RBR1LAM60A		TF	TR	60	60	1	40	0.53	1	0.075	60			YES
66	RBR2LAM60A		TF	TR	60	60	2	40	0.65	2	0.075	60			YES
67	RBR2LAM60B		TF	TR	60	60	2	75	0.52	2	0.15	60			YES
68	RBR3LAM60A		TF	TR	60	60	3	45	0.66	3	0.1	60			YES
69	RBR3LAM60B		TF	TR	60	60	3	75	0.56	3	0.15	60			YES
70	RBR5LAM60A		TF	TR	60	60	5	100	0.55	5	0.25	60			YES
71	RB160LAM-90		TF	TR	95	90	1	50	0.73	1	0.1	90			YES

*General Part No. have no grade code.
 Note: (): ROHM Packages.

Schottky Barrier Diodes
 Example: 
 Part No. Grade Code Taping Code

Middle Power Schottky Barrier Diodes (Standard type) 2															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code General	Automotive	Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
Low V _F type															
72	RBR1L30A	—	DD	TE25	30	30	1	30	0.48	1	0.05	30	DO-214AC SMA (PMDS)		YES
73	RBR2L30A		DD	TE25	30	30	2	40	0.49	2	0.08	30			YES
74	RBR3L30A		DD	TE25	30	30	3	30	0.58	3	0.05	30			YES
75	RBR3L30B		DD	TE25	30	30	3	40	0.53	3	0.08	30			YES
76	RBR5L30A		DD	TE25	30	30	5	50	0.54	5	0.1	30			YES
77	RBR5L30B		DD	TE25	30	30	5	50	0.49	5	0.15	30			YES
78	RBR1L40A		DD	TE25	40	40	1	30	0.52	1	0.05	40			YES
79	RBR2L40A		DD	TE25	40	40	2	40	0.55	2	0.08	40			YES
80	RBR3L40A		DD	TE25	40	40	3	30	0.69	3	0.05	40			YES
81	RBR3L40B		DD	TE25	40	40	3	40	0.62	3	0.08	40			YES
82	RBR3L40C		DD	TE25	40	40	3	50	0.55	3	0.1	40			YES
83	RBR5L40A		DD	TE25	40	40	5	50	0.53	5	0.2	40			YES
84	RBR1L60A		DD	TE25	60	60	1	30	0.53	1	0.075	60			YES
85	RBR2L60A		DD	TE25	60	60	2	30	0.65	2	0.075	60			YES
86	RBR2L60B		DD	TE25	60	60	2	50	0.52	2	0.15	60			YES
87	RBR3L60A		DD	TE25	60	60	3	40	0.66	3	0.1	60			YES
88	RBR3L60B		DD	TE25	60	60	3	50	0.56	3	0.15	60			YES
89	RBR5L60A		DD	TE25	60	60	5	50	0.55	5	0.25	60			YES
90	RB160L-90		TF	TE25	95	90	1	30	0.73	1	0.1	90			YES
91	New RBR2LB30A	*	—	TBR1	30	30	2	40	0.49	2	0.08	30	DO-214AA SMB (SMBP)		—
92	New RBR3LB30B		—	TBR1	30	30	3	40	0.53	3	0.08	30			—
93	New RBR2LB40C		—	TBR1	40	40	2	55	0.52	2	0.1	40			—
94	New RBR3LB40C		—	TBR1	40	40	3	55	0.55	3	0.1	40			—
95	New RBR2LB60B		—	TBR1	60	60	2	55	0.52	2	0.15	60			—
96	New RBR3LB60B		—	TBR1	60	60	3	55	0.56	3	0.15	60			—

*General Part No. have no grade code.
 Note: (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example:

R	B	1	6	8	V	W	M	-	3	0	T	F	T	R
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Part No. Grade Code Taping Code

Middle Power Schottky Barrier Diodes (Standard type) 3

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
		General	Automotive												
Ultra Low I _R type															
97	RB168VWM-30	*	TF	TR	30	30	1	30	0.69	1	0.0006	30	(PMDE)		YES
98	RB068VWM-30		TF	TR	30	30	2	30	0.75	2	0.0006	30			YES
99	RB168VWM-40		TF	TR	40	40	1	30	0.69	1	0.0005	40			YES
100	RB068VWM-40		TF	TR	40	40	2	30	0.79	2	0.0005	40			YES
101	RB168VWM-60		TF	TR	60	60	1	30	0.76	1	0.0005	60			YES
102	RB068VWM-60		TF	TR	60	60	2	30	0.84	2	0.0005	60			YES
103	RB168VWM100		TF	TR	100	100	1	25	0.84	1	0.0003	100			YES
104	RB068VWM100		TF	TR	100	100	2	25	0.94	2	0.0003	100			YES
105	RB168VWM150		TF	TR	150	150	1	25	0.89	1	0.001	150			YES
106	RB068VWM150		TF	TR	150	150	2	25	0.96	2	0.001	150			YES
107	RB168MM-30	*	TF	TR	30	30	1	30	0.69	1	0.0006	30	SOD-123FL (PMDU)		YES
108	RB068MM-30		TF	TR	30	30	2	50	0.7	2	0.0008	30			YES
109	RB168MM-40		TF	TR	40	40	1	40	0.65	1	0.00055	40			YES
110	RB068MM-40		TF	TR	40	40	2	40	0.725	2	0.00055	40			YES
111	RB168MM-60		TF	TR	60	60	1	40	0.68	1	0.0015	60			YES
112	RB068MM-60		TF	TR	60	60	2	40	0.765	2	0.0015	60			YES
113	RB168MM100		TF	TR	100	100	1	40	0.81	1	0.0004	100			YES
114	RB068MM100		TF	TR	100	100	2	40	0.87	2	0.0004	100			YES
115	RB168MM150		TF	TR	150	150	1	35	0.84	1	0.004	150			YES
116	RB168MM200		TF	TR	200	200	1	35	0.89	1	0.00085	200			YES
117	RB168LAM-30	*	TF	TR	30	30	1	40	0.69	1	0.0006	30	SOD-128 (PMDTM)		YES
118	RB068LAM-30		TF	TR	30	30	2	50	0.7	2	0.0008	30			YES
119	RB058LAM-30		TF	TR	30	30	3	80	0.68	3	0.0025	30			YES
120	RB088LAM-30		TF	TR	30	30	5	80	0.69	5	0.0025	30			YES
121	RB168LAM-40		TF	TR	40	40	1	40	0.69	1	0.0005	40			YES
122	RB068LAM-40		TF	TR	40	40	2	50	0.69	2	0.001	40			YES
123	RB058LAM-40		TF	TR	40	40	3	90	0.69	3	0.0025	40			YES
124	RB088LAM-40		TF	TR	40	40	5	90	0.71	5	0.0036	40			YES
125	RB168LAM-60		TF	TR	60	60	1	40	0.68	1	0.0015	60			YES
126	RB068LAM-60		TF	TR	60	60	2	70	0.68	2	0.002	60			YES
127	RB058LAM-60		TF	TR	60	60	3	90	0.64	3	0.004	60			YES
128	RB088LAM-60		TF	TR	60	60	5	90	0.71	5	0.004	60			YES
129	RB168LAM100		TF	TR	100	100	1	40	0.81	1	0.0004	100			YES
130	RB068LAM100		TF	TR	100	100	2	70	0.81	2	0.0015	100			YES
131	RB058LAM100		TF	TR	100	100	3	80	0.81	3	0.003	100			YES
132	RB088LAM100		TF	TR	100	100	5	80	0.87	5	0.003	100			YES
133	RB168LAM150		TF	TR	150	150	1	50	0.84	1	0.0025	150			YES
134	RB068LAM150		TF	TR	150	150	2	70	0.81	2	0.003	150			YES
135	RB058LAM150		TF	TR	150	150	3	80	0.84	3	0.003	150			YES
136	RB088LAM150		TF	TR	150	150	5	80	0.9	5	0.003	150			YES
137	RB168L-30	—	TF	TE25	30	30	1	30	0.69	1	0.0006	30	DO-214AC SMA (PMDS)		YES
138	RB068L-30		DD	TE25	30	30	2	60	0.7	2	0.0008	30			YES
139	RB168L-40		TF	TE25	40	40	1	50	0.65	1	0.00055	40			YES
140	RB068L-40		DD	TE25	40	40	2	50	0.69	2	0.001	40			YES
141	RB058L-40		DD	TE25	40	40	3	100	0.7	3	0.005	40			YES
142	RB168L-60		TF	TE25	60	60	1	50	0.68	1	0.0015	60			YES
143	RB068L-60		DD	TE25	60	60	2	90	0.68	2	0.002	60			YES
144	RB058L-60		DD	TE25	60	60	3	120	0.64	3	0.004	60			YES
145	RB168L100		DD	TE25	100	100	1	50	0.81	1	0.0004	100			YES
146	RB068L100		DD	TE25	100	100	2	110	0.79	2	0.003	100			YES
147	RB168L150	*	DD	TE25	150	150	1	50	0.84	1	0.004	150	DO-214AA SMB (SMBP)		YES
148	RB068L150		DD	TE25	150	150	2	90	0.81	2	0.003	150			YES
149	RB058L150		DD	TE25	150	150	3	90	0.85	3	0.003	150			YES
150	New RB068LB100		—	TBR1	100	100	2	90	0.81	2	0.0015	100			—
151	New RB058LB100	*	—	TBR1	100	100	3	90	0.84	3	0.0015	100			—

*General Part No. have no grade code.
Note: () : ROHM Packages.

Schottky Barrier Diodes

●Quick Reference for Power Schottky Barrier Diodes (High Efficient type)

V _R (V)	I _O (A)	Surface Mount type							
									
		TO-277A (TO-277GE)		TO-252AA D-PAK (TO-252GE)		TO-252AA D-PAK (TO-252M)		TO-263AB D2PAK (TO-263L)	
		Low I _R type		Low I _R type		Low I _R type		Low I _R type	
100	10	YQ10RSM10SD	1						
	20			YQ20BGE10SD	2	YQ20BM10SD	3	YQ20NL10SE YQ20NL10CD	4 6
	30							YQ30NL10SE	5

Note: (): ROHM Packages.

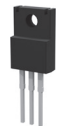
●Quick Reference for Power Schottky Barrier Diodes (Standard type) 1

V _R (V)	I _O (A)	Surface Mount type												
														
		TO-277A (TO-277GE)				TO-252AA D-PAK (TO-252GE)			TO-252AA D-PAK (TO-252M)					
Low V _F type		Low I _R type		Ultra Low I _R type	Low V _F type		Low I _R type	Ultra Low I _R type	Low V _F type		Low I _R type	Ultra Low I _R type		
30	5							RB078BGE30S	99			New RB078BM30S	112	
	6							RB098BGE-30	100			New RB098BM-30	117	
	10				RBR10BGE30A	10		RB088BGE-30	101	RBR10BM30A	19	New RB088BM-30	118	
	15				RBR15BGE30A	11				RBR15BM30A	20			
	20				RBR20BGE30A	12				RBR20BM30A	21			
40	3	RBR3RSM40B	7											
	5	RBR5RSM40B	8									New RB075BM40S	113	
	6							RB098BGE-40	102			New RB098BM-40	119	
	10	RBR10RSM40B	9		RBR10BGE40A	13		RB088BGE-40	103	RBR10BM40A	22	New RB088BM-40	120	
	15				RBR15BGE40A	14				RBR15BM40A	23			
45	20				RBR20BGE40A	15				RBR20BM40A	24			
	10						RBQ10BGE45A	55			RBQ10BM45A	63		
	15						RBQ15BGE45A	56			RBQ15BM45A	64		
60	20						RBQ20BGE45A	57			RBQ20BM45A	65		
	6							RB098BGE-60	104			New RB098BM-60	121	
	10				RBR10BGE60A	16		RB088BGE-60	105	RBR10BM60A	25	New RB088BM-60	122	
	15				RBR15BGE60A	17				RBR15BM60A	26			
65	20				RBR20BGE60A	18				RBR20BM60A	27			
	3		RBQ3RSM65B	49										
	5		RBQ5RSM65B	50										
	10		RBQ10RSM65B	51			RBQ10BGE65A	58			RBQ10BM65A	66		
	15						RBQ15BGE65A	59			RBQ15BM65A	67		
100	20						RBQ20BGE65A	60			RBQ20BM65A	68		
	3		RBQ3RSM10B	52	RB058RSM10S	91								
	5		RBQ5RSM10B	53	RB078RSM10S	92						New RB078BM10S	114	
	6							RB098BGE100	106			New RB098BM100	123	
	8				RB048RSM10S	93								
	10		RBQ10RSM10B	54	RB088RSM10S	94		RBQ10BGE10A	61	RB088BGE100	107	RBQ10BM100A	69	New RB088BM100
150	15						RBQ15BGE10A	62			RBQ15BM100A	70		
	20										RBQ20BM100A	71		
	3				RB058RSM15S	95								
	5				RB078RSM15S	96								
	6							RB098BGE150	108			New RB098BM150	125	
200	8				RB048RSM15S	97								
	10				RB088RSM15S	98			RB088BGE150	109		New RB088BM150	126	
	3							RSX058BGE2S	110			New RSX058BM2S	115	
	5							RSX078BGE2S	111			New RSX078BM2S	116	
	10											New RB088BM200	127	
200	20											New RB218BM200	128	

Note: (): ROHM Packages.

Schottky Barrier Diodes

●Quick Reference for Power Schottky Barrier Diodes (Standard type) 2

V _R (V)	I _O (A)	Surface Mount type						Through Hole type					
													
		TO-263AB D2PAK (TO-263S)			TO-263AB D2PAK (TO-263L)			TO-220AB (TO-220FN) <3pin>			TO-220AB (TO-220FN) <2pin>		
		Low V _F type	Low I _R type	Ultra Low I _R type	Low I _R type	Low V _F type	Low I _R type	Ultra Low I _R type	Low I _R type	Low V _F type	Low I _R type	Ultra Low I _R type	Low I _R type
30	10	RBR10NS30A	28		RB088NS-30	129		RBR10T30A	40		RB088T-30	152	
	20	RBR20NS30A	29		RB218NS-30	130		RBR20T30A	41		RB218T-30	153	
	30	RBR30NS30A	30		RB228NS-30	131		RBR30T30A	42		RB228T-30	154	
	40	RBR40NS30A	31		RB238NS-30	132					RB238T-30	155	
40	10	RBR10NS40A	32		RB088NS-40	133		RBR10T40A	43		RB088T-40	156	
	20	RBR20NS40A	33		RB218NS-40	134		RBR20T40A	44		RB218T-40	157	
	30	RBR30NS40A	34		RB228NS-40	135		RBR30T40A	45		RB228T-40	158	
	40	RBR40NS40A	35		RB238NS-40	136					RB238T-40	159	
45	10		RBQ10NS45A	72		<i>New</i> RBQ10NL45B	82		RBQ10T45A	84			
	16					<i>New</i> RBQ16NL45B	83						
	20		RBQ20NS45A	73					RBQ20T45A	85			
	30		RBQ30NS45A RBQ30NS45B	74 81					RBQ30T45A	86		RBQ30TB45B	90
60	10	RBR10NS60A	36		RB088NS-60	137		RBR10T60A	46		RB088T-60	160	
	20	RBR20NS60A	37		RB218NS-60	138		RBR20T60A	47		RB218T-60	161	
	30	RBR30NS60A	38		RB228NS-60	139		RBR30T60A	48		RB228T-60	162	
	40	RBR40NS60A	39		RB238NS-60	140					RB238T-60	163	
65	10		RBQ10NS65A	75					RBQ10T65A	87			
	20		RBQ20NS65A	76					RBQ20T65A	88			
	30		RBQ30NS65A	77					RBQ30T65A	89			
100	10		RBQ10NS100A	78	RB088NS100	141					RB088T100	164	
	20		RBQ20NS100A	79	RB218NS100	142					RB218T100	165	
	30		RBQ30NS100A	80	RB228NS100 RB298NS100	143 144					RB228T100 RB298T100	166 167	
	40				RB238NS100	145					RB238T100	168	
150	10				RB088NS150	146					RB088T150	169	
	20				RB218NS150	147					RB218T150	170	
	30				RB228NS150	148					RB228T150	171	
	40				RB238NS150	149					RB238T150	172	
200	10				RB088NS200	150							
	20				RB218NS200	151							

Note: (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes
Example: **YQ20B10SD** **FH** **TL**
Part No. Grade Code Taping Code

Power Schottky Barrier Diodes (High Efficient type)															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2 60Hz.1ゑ	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
		General	Automotive												
Low I _R type															
1	YQ10RSM10SD	*	TF	TL1	100	100	10	200	0.67	10	0.08	100	TO-277A (TO-277GE)		YES
2	YQ20BGE10SD	*	—	TL	100	100	20	150	0.86	20	0.08	100	TO-252AA D-PAK (TO-252GE)		—
3	YQ20BM10SD	—	FH	TL	100	100	20	150	0.86	20	0.08	100	TO-252AA D-PAK (TO-252M)		YES
4	YQ20NL10SE	*	FH	TL	100	100	20	200	0.86	20	0.08	100	TO-263AB D2PAK (TO-263L)		YES
5	YQ30NL10SE		FH	TL	100	100	30	200	0.86	30	0.15	100			YES
6	YQ20NL10CD		FH	TL	100	100	20	150	0.71	10	0.07	100		 YES	
Power Schottky Barrier Diodes (Standard type) 1															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2 60Hz.1ゑ	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
		General	Automotive												
Low V _F type															
7	RBR3RSM40B	*	TF	TL1	40	40	3	150	0.47	3	0.12	40	TO-277A (TO-277GE)		YES*3
8	RBR5RSM40B		TF	TL1	40	40	5	100	0.53	5	0.12	40			YES*3
9	RBR10RSM40B		TF	TL1	40	40	10	150	0.54	5	0.3	45			YES*3
10	RBR10BGE30A	*	—	TL	30	30	10	50	0.55	5	0.1	30	TO-252AA D-PAK (TO-252GE)		—
11	RBR15BGE30A		—	TL	30	30	15	100	0.51	7.5	0.2	30			—
12	RBR20BGE30A		—	TL	30	30	20	100	0.51	10	0.3	30			—
13	RBR10BGE40A		—	TL	40	40	10	50	0.62	5	0.12	40			—
14	RBR15BGE40A		—	TL	40	40	15	100	0.55	7.5	0.24	40			—
15	RBR20BGE40A		—	TL	40	40	20	100	0.55	10	0.36	40			—
16	RBR10BGE60A		—	TL	60	60	10	50	0.65	5	0.2	60			—
17	RBR15BGE60A		—	TL	60	60	15	100	0.58	7.5	0.4	60			—
18	RBR20BGE60A		—	TL	60	60	20	100	0.59	10	0.6	60			—
19	RBR10BM30A	—	FH	TL	30	30	10	50	0.55	5	0.1	30	TO-252AA D-PAK (TO-252M)		YES
20	RBR15BM30A		FH	TL	30	30	15	100	0.51	7.5	0.2	30			YES
21	RBR20BM30A		FH	TL	30	30	20	100	0.51	10	0.3	30			YES
22	RBR10BM40A		FH	TL	40	40	10	50	0.62	5	0.12	40			YES
23	RBR15BM40A		FH	TL	40	40	15	100	0.55	7.5	0.24	40			YES
24	RBR20BM40A		FH	TL	40	40	20	100	0.55	10	0.36	40			YES
25	RBR10BM60A		FH	TL	60	60	10	50	0.65	5	0.2	60			YES
26	RBR15BM60A		FH	TL	60	60	15	100	0.58	7.5	0.4	60			YES
27	RBR20BM60A		FH	TL	60	60	20	100	0.59	10	0.6	60			YES
28	RBR10NS30A	*	FH	TL	30	30	10	50	0.55	5	0.1	30	TO-263AB D2PAK (TO-263S)		YES
29	RBR20NS30A		FH	TL	30	30	20	100	0.55	10	0.2	30			YES
30	RBR30NS30A		FH	TL	30	30	30	100	0.55	15	0.3	30			YES
31	RBR40NS30A		FH	TL	30	30	40	100	0.52	20	0.6	30			YES
32	RBR10NS40A		FH	TL	40	40	10	50	0.62	5	0.12	40			YES
33	RBR20NS40A		FH	TL	40	40	20	100	0.62	10	0.24	40			YES
34	RBR30NS40A		FH	TL	40	40	30	100	0.62	15	0.36	40			YES
35	RBR40NS40A		FH	TL	40	40	40	100	0.55	20	0.43	40			YES
36	RBR10NS60A		FH	TL	60	60	10	50	0.65	5	0.2	60			YES
37	RBR20NS60A		FH	TL	60	60	20	100	0.64	10	0.4	60			YES
38	RBR30NS60A		FH	TL	60	60	30	100	0.67	15	0.6	60			YES
39	RBR40NS60A		FH	TL	60	60	40	100	0.6	20	0.8	60			YES
40	RBR10T30A	NZ	—	C9	30	30	10	50	0.55	5	0.1	30	TO-220AB (TO-220FN) <3pin>		—
41	RBR20T30A	NZ	—	C9	30	30	20	100	0.55	10	0.2	30			—
42	RBR30T30A	NZ	—	C9	30	30	30	100	0.55	15	0.3	30			—
43	RBR10T40A	NZ	—	C9	40	40	10	50	0.62	5	0.12	40			—
44	RBR20T40A	NZ	—	C9	40	40	20	100	0.62	10	0.24	40			—
45	RBR30T40A	NZ	—	C9	40	40	30	100	0.62	15	0.36	40			—
46	RBR10T60A	NZ	—	C9	60	60	10	50	0.65	5	0.2	60			—
47	RBR20T60A	NZ	—	C9	60	60	20	100	0.64	10	0.4	60			—
48	RBR30T60A	NZ	—	C9	60	60	30	100	0.67	15	0.6	60			—

*General Part No. have no grade code.
*1 I_O: Average rectified output current per die. In case of 2 dies, I_O indicates average output current of 2 dies.
*2 Value/Die
*3 Some automotive applications may not be supported.
Note: (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example:

R	B	Q	1	0	B	M	4	5	A	F	H	T	L
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Part No. Grade Code Taping Code

Power Schottky Barrier Diodes (Standard type) 2

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _{RR} (V)			
		General	Automotive												
Low I _R type															
49	RBQ3RSM65B	*	TF	TL1	65	65	3	100	0.57	3	0.09	65	TO-277A (TO-277GE)		YES*3
50	RBQ5RSM65B		TF	TL1	65	65	5	100	0.66	5	0.09	65			YES*3
51	RBQ10RSM65B		TF	TL1	65	65	10	150	0.67	10	0.15	65			YES*3
52	RBQ3RSM10B		TF	TL1	100	100	3	100	0.70	3	0.08	100			YES*3
53	RBQ5RSM10B		TF	TL1	100	100	5	150	0.70	5	0.14	100			YES*3
54	RBQ10RSM10B		TF	TL1	100	100	10	200	0.70	10	0.25	100			YES*3
55	RBQ10BGE45A	*	—	TL	45	45	10	50	0.65	5	0.07	45	TO-252AA D-PAK (TO-252GE)		—
56	RBQ15BGE45A		—	TL	45	45	15	100	0.59	7.5	0.14	45			—
57	RBQ20BGE45A		—	TL	45	45	20	100	0.59	10	0.2	45			—
58	RBQ10BGE65A		—	TL	65	65	10	50	0.69	5	0.07	65			—
59	RBQ15BGE65A		—	TL	65	65	15	100	0.63	7.5	0.14	65			—
60	RBQ20BGE65A		—	TL	65	65	20	100	0.63	10	0.2	65			—
61	RBQ10BGE10A	—	—	TL	100	100	10	100	0.77	5	0.08	100	TO-252AA D-PAK (TO-252M)		—
62	RBQ15BGE10A		—	TL	100	100	15	100	0.71	7.5	0.14	100			—
63	RBQ10BM45A		FH	TL	45	45	10	50	0.65	5	0.07	45			YES
64	RBQ15BM45A		FH	TL	45	45	15	100	0.59	7.5	0.14	45			YES
65	RBQ20BM45A		FH	TL	45	45	20	100	0.59	10	0.2	45			YES
66	RBQ10BM65A		FH	TL	65	65	10	50	0.69	5	0.07	65			YES
67	RBQ15BM65A	*	FH	TL	65	65	15	100	0.63	7.5	0.14	65	TO-263AB D2PAK (TO-263S)		YES
68	RBQ20BM65A		FH	TL	65	65	20	100	0.63	10	0.2	65			YES
69	RBQ10BM100A		FH	TL	100	100	10	100	0.77	5	0.08	100			YES
70	RBQ15BM100A		FH	TL	100	100	15	100	0.71	7.5	0.14	100			YES
71	RBQ20BM100A		FH	TL	100	100	20	100	0.69	10	0.2	100			YES
72	RBQ10NS45A		FH	TL	45	45	10	100	0.65	5	0.07	45			YES
73	RBQ20NS45A	*	FH	TL	45	45	20	100	0.65	10	0.14	45	TO-220AB (TO-220FN) <3pin>		YES
74	RBQ30NS45A		FH	TL	45	45	30	100	0.65	15	0.2	45			YES
75	RBQ10NS65A		FH	TL	65	65	10	100	0.69	5	0.07	65			YES
76	RBQ20NS65A		FH	TL	65	65	20	100	0.69	10	0.14	65			YES
77	RBQ30NS65A		FH	TL	65	65	30	100	0.69	15	0.2	65			YES
78	RBQ10NS100A		FH	TL	100	100	10	100	0.77	5	0.08	100			YES
79	RBQ20NS100A	*	FH	TL	100	100	20	100	0.77	10	0.14	100	TO-220AB (TO-220FN) <2pin>		YES
80	RBQ30NS100A		FH	TL	100	100	30	100	0.77	15	0.2	100			YES
81	RBQ30NS45B	—	FH	TL	45	45	30	100	0.59	30	0.7	45	—		YES
82	New RBQ10NL45B	FNS	FHH	TL	45	45	10	150	0.62	10	0.1	45	TO-263AB D2PAK (TO-263L)		YES
83	New RBQ16NL45B	FNS	FHH	TL	45	45	16	150	0.61	16	0.1	45			YES
84	RBQ10T45A	NZ	—	C9	45	45	10	100	0.65	5	0.07	45	TO-220AB (TO-220FN) <3pin>		—
85	RBQ20T45A	NZ	—	C9	45	45	20	100	0.65	10	0.14	45			—
86	RBQ30T45A	NZ	—	C9	45	45	30	100	0.65	15	0.2	45			—
87	RBQ10T65A	NZ	—	C9	65	65	10	100	0.69	5	0.07	65			—
88	RBQ20T65A	NZ	—	C9	65	65	20	100	0.69	10	0.14	65			—
89	RBQ30T65A	NZ	—	C9	65	65	30	100	0.69	15	0.2	65			—
90	RBQ30TB45B	NZ	—	C9	45	45	30	100	0.59	30	0.7	45	TO-220AB (TO-220FN) <2pin>		—
Ultra Low I _R type															
91	RB058RSM10S	*	TF	TL1	100	100	3	120	0.81	3	0.0013	100	TO-277A (TO-277GE)		YES*3
92	RB078RSM10S		TF	TL1	100	100	5	120	0.84	5	0.0013	100			YES*3
93	RB048RSM10S		TF	TL1	100	100	8	160	0.84	8	0.0034	100			YES*3
94	RB088RSM10S		TF	TL1	100	100	10	220	0.84	10	0.0037	100			YES*3
95	RB058RSM15S		TF	TL1	150	150	3	120	0.83	3	0.0021	150			YES*3
96	RB078RSM15S		TF	TL1	150	150	5	120	0.87	5	0.0021	150			YES*3
97	RB048RSM15S		TF	TL1	150	150	8	160	0.88	8	0.0037	150			YES*3
98	RB088RSM15S		TF	TL1	150	150	10	220	0.88	10	0.0045	150			YES*3
99	RB078BGE30S	*	—	TL	35	30	5	50	0.72	5	0.005	30	TO-252AA D-PAK (TO-252GE)		—
100	RB098BGE-30		—	TL	35	30	6	50	0.72	3	0.0015	30			—
101	RB088BGE-30		—	TL	35	30	10	50	0.72	5	0.003	30			—
102	RB098BGE-40		—	TL	45	40	6	50	0.77	3	0.0015	40			—
103	RB088BGE-40		—	TL	45	40	10	50	0.77	5	0.003	40			—
104	RB098BGE-60		—	TL	60	60	6	50	0.83	3	0.0015	60			—
105	RB088BGE-60		—	TL	60	60	10	50	0.83	5	0.003	60			—
106	RB098BGE100		—	TL	110	100	6	100	0.77	3	0.003	100			—
107	RB088BGE100		—	TL	100	100	10	50	0.87	5	0.005	100			—
108	RB098BGE150		—	TL	150	150	6	100	0.83	3	0.007	150			—
109	RB088BGE150	—	TL	150	150	10	50	0.88	5	0.015	150	—			
110	RSX058BGE2S	*	—	TL	200	200	3	50	0.87	3	0.0002	200		—	
111	RSX078BGE2S		—	TL	200	200	5	50	0.92	5	0.0002	200		—	

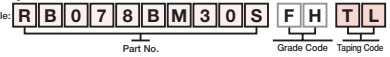
*General Part No. have no grade code.

*1 I_O: Average rectified output current per die. In case of 2 dies, I_O indicates average output current of 2 dies.

*2 Value/Die

*3 Some automotive applications may not be supported. Please contact a ROHM sales representative for further details.

Note: () : ROHM Packages.

Schottky Barrier Diodes
 Example: 
 Part No. Grade Code Taping Code

Power Schottky Barrier Diodes (Standard type) 3															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)				Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2 60Hz,1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)			
		General	Automotive												
Ultra Low I _R type															
112	New RB078BM30S	FNS	FHH	TL	35	30	5	50	0.72	5	0.005	30	TO-252 (DPAK)		YES
113	New RB075BM40S	FNS	FHH	TL	40	40	5	50	0.75	5	0.005	40			YES
114	New RB078BM10S	FNS	FHH	TL	110	100	5	100	0.74	5	0.0064	100			YES
115	New RSX058BM2S	FNS	FHH	TL	200	200	3	50	0.87	3	0.0002	200			YES
116	New RSX078BM2S	FNS	FHH	TL	200	200	5	50	0.92	5	0.0002	200			YES
117	New RB098BM-30	FNS	FHH	TL	35	30	6	50	0.72	3	0.0015	30			YES
118	New RB088BM-30	FNS	FHH	TL	35	30	10	50	0.72	5	0.003	30			YES
119	New RB098BM-40	FNS	FHH	TL	45	40	6	50	0.77	3	0.0015	40			YES
120	New RB088BM-40	FNS	FHH	TL	45	40	10	50	0.77	5	0.003	40			YES
121	New RB098BM-60	FNS	FHH	TL	60	60	6	50	0.83	3	0.0015	60			YES
122	New RB088BM-60	FNS	FHH	TL	60	60	10	50	0.83	5	0.003	60			YES
123	New RB098BM100	FNS	FHH	TL	110	100	6	100	0.77	3	0.003	100			YES
124	New RB088BM100	FNS	FHH	TL	110	100	10	50	0.87	5	0.005	100			YES
125	New RB098BM150	FNS	FHH	TL	150	150	6	100	0.83	3	0.007	150			YES
126	New RB088BM150	FNS	FHH	TL	150	150	10	50	0.88	5	0.015	150			YES
127	New RB088BM200	FNS	FHH	TL	200	200	10	100	0.88	5	0.007	200			YES
128	New RB218BM200	FNS	FHH	TL	200	200	20	100	0.88	10	0.01	200			YES
129	RB088NS-30	*	FH	TL	35	30	10	50	0.72	5	0.003	30	TO-263AB D2PAK (TO-263S)		YES
130	RB218NS-30		FH	TL	35	30	20	100	0.72	10	0.005	30			YES
131	RB228NS-30		FH	TL	35	30	30	100	0.72	15	0.01	30			YES
132	RB238NS-30		FH	TL	35	30	40	100	0.75	20	0.012	30			YES
133	RB088NS-40		FH	TL	45	40	10	50	0.77	5	0.003	40			YES
134	RB218NS-40		FH	TL	45	40	20	100	0.77	10	0.005	40			YES
135	RB228NS-40		FH	TL	45	40	30	100	0.77	15	0.01	40			YES
136	RB238NS-40		FH	TL	45	40	40	100	0.8	20	0.012	40			YES
137	RB088NS-60		FH	TL	60	60	10	50	0.83	5	0.003	60			YES
138	RB218NS-60		FH	TL	60	60	20	100	0.83	10	0.005	60			YES
139	RB228NS-60		FH	TL	60	60	30	100	0.83	15	0.01	60			YES
140	RB238NS-60		FH	TL	60	60	40	100	0.86	20	0.012	60			YES
141	RB088NS100		FH	TL	110	100	10	100	0.87	5	0.005	100			YES
142	RB218NS100		FH	TL	110	100	20	100	0.87	10	0.007	100			YES
143	RB228NS100		FH	TL	110	100	30	100	0.87	5	0.005	100			YES
144	RB298NS100		FH	TL	110	100	30	100	0.87	15	0.01	100			YES
145	RB238NS100		FH	TL	110	100	40	100	0.86	20	0.02	100			YES
146	RB088NS150		FH	TL	150	150	10	50	0.88	5	0.015	150			YES
147	RB218NS150		FH	TL	150	150	20	100	0.88	10	0.02	150			YES
148	RB228NS150		FH	TL	150	150	30	100	0.88	15	0.025	150			YES
149	RB238NS150		FH	TL	150	150	40	100	0.87	20	0.03	150			YES
150	RB088NS200		FH	TL	200	200	10	100	0.88	5	0.007	200			YES
151	RB218NS200		FH	TL	200	200	20	100	0.88	10	0.01	200			YES
152	RB088T-30	NZ	—	C9	35	30	10	50	0.72	5	0.003	30	TO-220AB (TO-220FN) <3pin>		—
153	RB218T-30	NZ	—	C9	35	30	20	100	0.72	10	0.005	30			—
154	RB228T-30	NZ	—	C9	35	30	30	100	0.72	15	0.01	30			—
155	RB238T-30	NZ	—	C9	35	30	40	100	0.75	20	0.012	30			—
156	RB088T-40	NZ	—	C9	45	40	10	50	0.77	5	0.003	40			—
157	RB218T-40	NZ	—	C9	45	40	20	100	0.77	10	0.005	40			—
158	RB228T-40	NZ	—	C9	45	40	30	100	0.77	15	0.01	40			—
159	RB238T-40	NZ	—	C9	45	40	40	100	0.8	20	0.012	40			—
160	RB088T-60	NZ	—	C9	60	60	10	50	0.83	5	0.003	60			—
161	RB218T-60	NZ	—	C9	60	60	20	100	0.83	10	0.005	60			—
162	RB228T-60	NZ	—	C9	60	60	30	100	0.83	15	0.01	60			—
163	RB238T-60	NZ	—	C9	60	60	40	100	0.86	20	0.012	60			—
164	RB088T100	NZ	—	C9	110	100	10	100	0.87	5	0.005	100			—
165	RB218T100	NZ	—	C9	110	100	20	100	0.87	10	0.007	100			—
166	RB228T100	NZ	—	C9	110	100	30	100	0.87	5	0.005	100			—
167	RB298T100	NZ	—	C9	110	100	30	100	0.87	15	0.01	100			—
168	RB238T100	NZ	—	C9	110	100	40	100	0.86	20	0.02	100			—
169	RB088T150	NZ	—	C9	150	150	10	50	0.88	5	0.015	150			—
170	RB218T150	NZ	—	C9	150	150	20	100	0.88	10	0.02	150			—
171	RB228T150	NZ	—	C9	150	150	30	100	0.88	15	0.025	150			—
172	RB238T150	NZ	—	C9	150	150	40	100	0.87	20	0.03	150			—

*General Part No. have no grade code.
 *1 I_O: Average rectified output current per die. In case of 2 dies, I_O indicates average output current of 2 dies.
 *2 Value/Die
 Note: () : ROHM Packages.

Fast Recovery Diodes

●Quick Reference for Small Signal Type/Middle Power Fast Recovery Diodes

Fast Recovery Diodes

Example: **R F 0 1 V M 2 S F H T E - 1 7**
 Part No. Grade Code Taping Code

V _A (V)	I _O (A)	Surface Mount type									
		1608 size SOD-523 (EMD2)	2512 size SOD-323FL (UMD2)	2514 size SOD-323HE (TUMD2M)	2513 size SOD-323HE (TUMD2SM)	(PMDE)	3516 size SOD-123FL (PMDU)	4725 size SOD-128 (PMDTM)	5026 size DO-214AC SMA (PMDS)	2928 size SOT-457T (TSMD6)	
100	0.5			RF05VAM1S RF05VYM1S	3 4						
200	0.4									RF04UA2D	36
	0.5			RF05VAM2S RF05VYM2S	5 6			RFC02MM2S	11		
	0.7							RF071MM2S	12		
	0.8							RF081MM2S	13		
	1					RFN1VWM2S	9		RF101LAM2S	14	RF101L2S 26
	1.1								RF081LAM2S	15	RF081L2S 27
	2					RFN2VWM2S	10		RF201LAM2S RF202LAM2S	16 17	RF201L2S 28
	3								RF302LAM2S	18	
250	0.1		RF01VM2S	2							
400	1								RF071LAM4S RF101LAM4S	19 20	RF071L4S RF101L4S 29 30
	1.5								RF201LAM4S RFN2LAM4S	21 22	RF201L4S RFN2L4S 31 32
450	0.1	RFU01SM4S	1								
600	0.2				RFU02VSM6S	7					
	0.8							RFN1LAM6S	23	RFN1L6S	33
	1.5							RFN2LAM6S	24	RFN2L6S	34
700	0.8							RFN1LAM7S	25	RFN1L7S	35
800	0.2				RFU02VSM8S	8					

Note: (): ROHM Packages.

Small Signal/Middle Power Fast Recovery Diodes

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _a =25°C/T _c =25°C/T _j =25°C)				Electrical Characteristics (T _j =25°C)*1								Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz.1~3	V _F (V) Max	I _F (A)	I _n (μA) Max	V _R (V)	trr (ns)		I _F (A)	I _n (A)			
		General	Automotive										Max	Max					
1	RFU01SM4S	*	—	T2R	450	450	0.1	1	1.8	0.1	10	450	35	0.1	0.1	SOD-523 (EMD2)		—	
2	RF01VM2S		FH	TE-17	250	250	0.1	1	1.2	0.1	10	250	50	*2		SOD-323FL (UMD2)		YES	
3	RF05VAM1S		—	TR	100	100	0.5	6	0.98	0.5	10	100	25	0.5	1	SOD-323HE (TUMD2M)		—	
4	RF05VYM1S		—	TR	100	100	0.5	6	0.98	0.5	10	100	25	0.5	1			YES	
5	RF05VAM2S	*	—	TR	200	200	0.5	6	0.98	0.5	10	200	25	0.5	1	SOD-323HE (TUMD2M)	—		
6	RF05VYM2S	—	FH	TR	200	200	0.5	6	0.98	0.5	10	200	25	0.5	1		YES		
7	RFU02VSM6S	*	—	TR	600	600	0.2	1	2.2	0.2	10	600	35	0.1	0.1	SOD-323HE (TUMD2SM)		—	
8	RFU02VSM8S		—	TR	800	800	0.2	1	3	0.2	10	800	35	0.1	0.1			—	
9	RFN1VWM2S		TF	TR	200	200	1	20	0.93	1	1	200	25	0.5	1	(PMDE)	YES		
10	RFN2VWM2S		TF	TR	200	200	2	20	0.99	2	1	200	25	0.5	1		YES		
11	RFC02MM2S		TF	TR	200	200	0.5	10	0.95	0.5	1	200	35	0.1	0.2	SOD-123FL (PMDU)	YES		
12	RF071MM2S		TF	TR	200	200	0.7	15	0.85	0.7	10	200	25	0.5	1		YES		
13	RF081MM2S		TF	TR	200	200	0.8	20	0.95	0.8	10	200	25	0.5	1	YES			
14	RF101LAM2S		TF	TR	200	200	1	20	0.87	1	10	200	25	0.5	1	SOD-128 (PMDTM)	YES		
15	RF081LAM2S		TF	TR	200	200	1.1	25	0.98	1	10	200	25	0.5	1		YES		
16	RF201LAM2S		TF	TR	200	200	2	20	0.87	2	10	200	25	0.5	1	SOD-128 (PMDTM)	YES		
17	RF202LAM2S		TF	TR	200	200	2	20	0.93	2	10	200	25	0.5	1		YES		
18	RF302LAM2S		TF	TR	200	200	3	20	0.92	3	10	200	25	0.5	1	SOD-128 (PMDTM)	YES		
19	RF071LAM4S		TF	TR	400	400	1	15	1.25	0.7	10	400	25	0.5	1		YES		
20	RF101LAM4S		TF	TR	400	400	1	25	1.25	1	10	400	25	0.5	1	SOD-128 (PMDTM)	YES		
21	RF201LAM4S		TF	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1		YES		
22	RFN2LAM4S		TF	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1	SOD-128 (PMDTM)	YES		
23	RFN1LAM6S		TF	TR	600	600	0.8	15	1.45	0.8	1	600	35	0.5	1		YES		
24	RFN2LAM6S		TF	TR	600	600	1.5	40	1.55	1.5	1	600	35	0.5	1	SOD-128 (PMDTM)	YES		
25	RFN1LAM7S		TF	TR	700	700	0.8	15	1.5	0.8	1	700	80	0.5	1		YES		
26	RF101L2S		—	DD	TE25	200	200	1	20	0.87	1	10	200	25	0.5	1	DO-214AC SMA (PMDS)		YES
27	RF081L2S	TF		TE25	200	200	1.1	25	0.98	1	10	200	25	0.5	1	YES			
28	RF201L2S	DD		TE25	200	200	2	20	0.87	2	10	200	25	0.5	1	YES			
29	RF071L4S	TF		TE25	400	400	1	15	1.25	0.7	10	400	25	0.5	1	YES			
30	RF101L4S	TF		TE25	400	400	1	25	1.25	1	10	400	25	0.5	1	YES			
31	RF201L4S	DD		TE25	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1	YES			
32	RFN2L4S	DD		TE25	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1	YES			
33	RFN1L6S	DD		TE25	600	600	0.8	15	1.45	0.8	1	600	35	0.5	1	YES			
34	RFN2L6S	DD		TE25	600	600	1.5	40	1.55	1.5	1	600	35	0.5	1	YES			
35	RFN1L7S	DD		TE25	700	700	0.8	15	1.5	0.8	1	700	80	0.5	1	YES			
36	RF04UA2D	*	FH	TR	200	200	0.4	1	0.98	0.2	10	200	25	0.5	1	SOT-457T (TSMD6)		YES	

*General Part No. have no grade code.

*1 Value/Chip *2 V_{RM}=6V, I_F=10mA, I_{rr}=0.1×I_n

Note: (): ROHM Packages.

Fast Recovery Diodes

●Quick Reference for Power Fast Recovery Diodes

V _R (V)	I _o (A)	Surface Mount type				Through Hole type							
													
		TO-252AA D-PAK (TO-252GE)	TO-252AA D-PAK (TO-252M)	TO-263AB D2PAK (TO-263S)	TO-220AB (TO-220FN) <2pin>	TO-220AB (TO-220FN) <3pin>	TO-220AB (TO-220NFM)	TO-220AC (TO-220AC)	TO-220AC (TO-220ACFP)	TO-247-2L (TO-247GE-2L)			
200	3	RF301BGE2S RFN3BGE2S	19 20	RF301BM2S RFN3BM2S	34 35								
	5	RF501BGE2S RFN5BGE2S	21 22	RF501BM2S RFN5BM2S	36 37								
	6	RF601BGE2D RFN6BGE2D	1 2	RF601BM2D RFN6BM2D	3 4		RF601T2D RFN6T2D	10 11					
	10			RF1001NS2D	5		RF1001T2D RFN10T2D	12 13					
	16			RF1601NS2D	6		RF1601T2D RFN16T2D	14 15					
	20			RF2001NS2D	7		RF2001T2D RFN20T2D	16 17					
300	20			RF2001NS3D	8		RF2001T3D	18	RF1501TF3S	67			
350	5	RFN5BGE3S	23	RFN5BM3S	38								
	10	RFN10BGE3S	32	RFN10BM3S	47	RFN10NS3S	49						
	20			RFN20NS3S RFUH25NS3S RFUH20NS3S	50 51 52	RFUH25TB3S RFUH20TB3S	61 62						
430	10			RFN10NS4S RFUH10NS4S	53 54	RFN10TB4S RFUH10TB4S	63 64						
	20			RFN20NS4S RFUH20NS4S	55 56	RFN20TB4S RFUH20TB4S	65 66						
600	3	RFN3BGE6S RF305BGE6S	24 25	RFN3BM6S RF305BM6S	39 40								
	5	RFN5BGE6S RFN5BGE6S RF505BGE6S RFV5BGE6S	26 27 28 29	RFN5BM6S RFN5BM6S RF505BM6S RFV5BM6S	41 42 43 44			RFN5TF6S RF505TF6S RFUH5TF6S	68 69 70		RFN15TJ6S	82	
	8	RFV8BGE6S	30	RFV8BM6S	45				RFV8TG6S RFV8TG6S	77 78	RFV8TJ6S RFV8TJ6S	83 84	
	10	RFN10BGE6S RFN10BGE6S	31 33	RFN10BM6S RFN10BM6S	46 48	RFN10NS6S RFUH10NS6S	57 58	RFN10TF6S RF1005TF6S RFUH10TF6S	71 72 73		RFN10TJ6S	85	
	12								RFV12TG6S	79	RFV12TJ6S	86	
	15								RFV15TG6S	80	RFN15TJ6S RFV15TJ6S	87 88	
	20			RFN20NS6S RFUH20NS6S	59 60			RFN20TF6S RFUH20TF6S	74 75		RFN20TJ6S RFN20TJ6S RFUH20TJ6S	89 90 91	
	30								RFV30TG6S	81			
650	30											RFL30TZ6S RFS30TZ6S	92 93
	60											RFL60TZ6S RFS60TZ6S	94 95
800	5							RFN5TF8S	76				
	10			RFN10NS8D	9								

Note: (): ROHM Packages.

Fast Recovery Diodes

Fast Recovery Diodes

Example: **R F 6 0 1 B M 2 D F H T L**
 Part No. Grade Code Taping Code

Power Fast Recovery Diodes 1

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)*2							Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2 60Hz,1~	V _F (V) Max	I _R (μA)		trr (ns)		I _F (A)				
		General	Automotive							Max	I _F (A)	Max	V _R (V)	Max	I _F (A)			
1	RF601BGE2D	*	—	TL	200	200	6	60	0.93	3	10	200	25	0.5	1	TO-252AA D-PAK (TO-252GE)		—
2	RFN6BGE2D		TL	200	200	6	40	0.98	3	10	200	25	0.5	1	—			
3	RF601BM2D	—	FH	TL	200	200	6	60	0.93	3	10	200	25	0.5	1	TO-252AA D-PAK (TO-252M)		YES
4	RFN6BM2D		FH	TL	200	200	6	40	0.98	3	10	200	25	0.5	1	YES		
5	RF1001NS2D	*	FH	TL	200	200	10	80	0.93	5	10	200	25	0.5	1	TO-263AB D2PAK (TO-263S)		YES
6	RF1601NS2D		FH	TL	200	200	16	100	0.93	8	10	200	30	0.5	1			YES
7	RF2001NS2D		FH	TL	200	200	20	100	0.93	10	10	200	30	0.5	1			YES
8	RF2001NS3D		FH	TL	350	300	20	100	1.3	10	10	300	25	0.5	1			YES
9	RFN10NS8D		FH	TL	800	800	10	60	2.1	5	10	800	40	0.5	1			YES
10	RF601T2D	NZ	—	C9	200	200	6	60	0.93	3	10	200	25	0.5	1	TO-220AB (TO-220FN) <3pin>		—
11	RFN6T2D	NZ	—	C9	200	200	6	40	0.98	3	10	200	25	0.5	1			—
12	RF1001T2D	NZ	—	C9	200	200	10	80	0.93	5	10	200	30	0.5	1			—
13	RFN10T2D	NZ	—	C9	200	200	10	80	0.98	5	10	200	25	0.5	1			—
14	RF1601T2D	NZ	—	C9	200	200	16	100	0.93	8	10	200	30	0.5	1		—	
15	RFN16T2D	NZ	—	C9	200	200	16	100	0.98	8	10	200	30	0.5	1		—	
16	RF2001T2D	NZ	—	C9	200	200	20	100	0.93	10	10	200	30	0.5	1		—	
17	RFN20T2D	NZ	—	C9	200	200	20	100	0.98	10	10	200	30	0.5	1		—	
18	RF2001T3D	NZ	—	C9	350	300	20	100	1.3	10	10	300	25	0.5	1		—	
19	RF301BGE2S	*	—	TL	200	200	3	40	0.93	3	10	200	25	0.5	1	TO-252AA D-PAK (TO-252GE)		—
20	RFN3BGE2S			TL	200	200	3	40	0.98	3	10	200	25	0.5	1			—
21	RF501BGE2S			TL	200	200	5	40	0.92	5	1	200	25	0.5	1			—
22	RFN5BGE2S			TL	200	200	5	40	0.98	5	10	200	25	0.5	1			—
23	RFN5BGE3S			TL	350	350	5	50	1.5	5	10	350	30	0.5	1			—
24	RFN3BGE6S			TL	600	600	3	20	1.55	3	10	600	30	0.5	1			—
25	RF305BGE6S			TL	600	600	3	50	1.7	3	10	600	30	0.5	1			—
26	RFN15BGE6S			TL	600	600	5	50	1.3	5	10	600	60	0.5	1			—
27	RFN5BGE6S			TL	600	600	5	30	1.55	5	10	600	50	0.5	1			—
28	RF505BGE6S			TL	600	600	5	50	1.7	5	10	600	30	0.5	1			—
29	RFV5BGE6S			TL	600	600	5	60	2.8	5	10	600	20	0.5	1			—
30	RFV8BGE6S			TL	600	600	8	100	2.8	8	10	600	25	0.5	1			—
31	RFN10BGE6S			TL	600	600	10	100	1.25 1.3	8 10	10	600	65	0.5	1			—
32	RFN10BGE3S	*	—	TL	350	350	10	80	1.5	10	10	350	30	0.5	1	TO-252AA D-PAK (TO-252GE)		—
33	RFN10BGE6S			TL	600	600	10	100	1.55	10	10	600	50	0.5	1			—
34	RF301BM2S	—	FH	TL	200	200	3	40	0.93	3	10	200	25	0.5	1	TO-252AA D-PAK (TO-252M)		YES
35	RFN3BM2S			TL	200	200	3	40	0.98	3	10	200	25	0.5	1			YES
36	RF501BM2S			TL	200	200	5	40	0.92	5	1	200	25	0.5	1			YES
37	RFN5BM2S			TL	200	200	5	40	0.98	5	10	200	25	0.5	1			YES
38	RFN5BM3S			TL	350	350	5	50	1.5	5	10	350	30	0.5	1			YES
39	RFN3BM6S			TL	600	600	3	20	1.55	3	10	600	30	0.5	1			YES
40	RF305BM6S			TL	600	600	3	50	1.7	3	10	600	30	0.5	1			YES
41	RFN15BM6S			TL	600	600	5	50	1.3	5	10	600	60	0.5	1			YES
42	RFN5BM6S			TL	600	600	5	30	1.55	5	10	600	50	0.5	1			YES
43	RF505BM6S			TL	600	600	5	50	1.7	5	10	600	30	0.5	1			YES
44	RFV5BM6S			TL	600	600	5	60	2.8	5	10	600	20	0.5	1			YES
45	RFV8BM6S			TL	600	600	8	100	2.8	8	10	600	25	0.5	1			YES
46	RFN10BM6S			FH	TL	600	600	10	100	1.25 1.3	8 10	10	600	65	0.5			1
47	RFN10BM3S	—	FH	TL	350	350	10	80	1.5	10	10	350	30	0.5	1	TO-263AB D2PAK (TO-263S)		YES
48	RFN10BM6S			TL	600	600	10	100	1.55	10	10	600	50	0.5	1			YES
49	RFN10NS3S	*	FH	TL	350	350	10	100	1.5	10	10	350	30	0.5	1	TO-263AB D2PAK (TO-263S)		YES
50	RFN20NS3S			TL	350	350	20	100	1.35	20	10	350	35	0.5	1			YES
51	RFUH25NS3S			TL	350	350	20	100	1.45	20	10	350	30	0.5	1			YES
52	RFUH20NS3S			TL	350	350	20	100	1.5	20	10	350	25	0.5	1			YES
53	RFN10NS4S			TL	430	430	10	80	1.55	10	10	430	30	0.5	1			YES
54	RFUH10NS4S			TL	430	430	10	80	1.7	10	10	430	25	0.5	1			YES
55	RFN20NS4S			TL	430	430	20	100	1.55	20	10	430	30	0.5	1			YES
56	RFUH20NS4S			TL	430	430	20	100	1.7	20	10	430	25	0.5	1			YES
57	RFN10NS6S			TL	600	600	10	100	1.55	10	10	600	50	0.5	1			YES
58	RFUH10NS6S			TL	600	600	10	60	2.8	10	10	600	25	0.5	1			YES
59	RFN20NS6S			TL	600	600	20	100	1.55	20	10	600	60	0.5	1			YES
60	RFUH20NS6S			TL	600	600	20	100	2.8	20	10	600	35	0.5	1			YES

*General Part No. have no grade code.

*1 I_O: Average rectified output current die. In case of 2 dies, I_O indicates average output current of 2 chips. *2 Value/Chip

Note: () : ROHM Packages.

Fast Recovery Diodes

Example:

R	F	U	H	2	5	T	B	3	S	N	Z	C	9
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Part No. Grade Code Taping Code

Power Fast Recovery Diodes 2																
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _C =25°C)				Electrical Characteristics (T _J =25°C)							
	Part No.	Grade Code General	Automotive	Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz.1~	V _F (V) Max	I _F (A)	I _N (μA) Max	V _R (V)	trr (ns) Max	I _F (A)	I _R (A)	Package
61	RFUH25TB3S	NZ	—	C9	350	350	20	100	1.45	20	10	350	30	0.5	1	TO-220AB (TO-220FN) <2pin>
62	RFUH20TB3S	NZ	—	C9	350	350	20	100	1.5	20	10	350	25	0.5	1	
63	RFN10TB4S	NZ	—	C9	430	430	10	80	1.7	10	10	430	25	0.5	1	
64	RFUH10TB4S	NZ	—	C9	430	430	10	80	1.55	10	10	430	30	0.5	1	
65	RFN20TB4S	NZ	—	C9	430	430	20	100	1.55	20	10	430	30	0.5	1	
66	RFUH20TB4S	NZ	—	C9	430	430	20	100	1.7	20	10	430	25	0.5	1	
67	RF1501TF3S	*	FH	C9	350	300	20	100	1.5	20	10	300	30	0.5	1	TO-220AB (TO-220NFM)
68	RFN5TF6S		FH	C9	600	600	5	30	1.55	5	10	600	50	0.5	1	
69	RF505TF6S		FH	C9	600	600	5	80	1.7	5	10	600	30	0.5	1	
70	RFUH5TF6S		FH	C9	600	600	5	30	2.8	5	10	600	25	0.5	1	
71	RFN10TF6S		FH	C9	600	600	10	100	1.55	10	10	600	50	0.5	1	
72	RF1005TF6S		FH	C9	600	600	10	100	1.7	10	10	600	40	0.5	1	
73	RFUH10TF6S		FH	C9	600	600	10	60	2.8	10	10	600	25	0.5	1	
74	RFN20TF6S		FH	C9	600	600	20	100	1.55	20	10	600	60	0.5	1	
75	RFUH20TF6S		FH	C9	600	600	20	100	2.8	20	10	600	35	0.5	1	
76	RFN5TF8S		FH	C9	800	800	5	60	2.1	5	10	800	40	0.5	1	
77	RFVS8TG6S	G	—	C9	600	600	8	60	3	8	10	600	20	0.5	1	TO-220AC (TO-220AC)
78	RFV8TG6S	G	—	C9	600	600	8	100	2.8	8	10	600	25	0.5	1	
79	RFV12TG6S	G	—	C9	600	600	12	120	2.8	12	10	600	25	0.5	1	
80	RFV15TG6S	G	—	C9	600	600	15	150	2.8	15	10	600	30	0.5	1	
81	RFV30TG6S	G	—	C9	600	600	30	200	2.8	30	10	600	40	0.5	1	
82	RFNL5TJ6S	G	FHG	C9	600	600	5	50	1.3	5	10	600	60	0.5	1	TO-220AC (TO-220ACFP)
83	RFVS8TJ6S	G	—	C9	600	600	8	60	3	8	10	600	20	0.5	1	
84	RFV8TJ6S	G	—	C9	600	600	8	100	2.8	8	10	600	25	0.5	1	
85	RFNL10TJ6S	G	FHG	C9	600	600	10	120	1.25 1.3	8 10	10	600	65	0.5	1	
86	RFV12TJ6S	G	—	C9	600	600	12	120	2.8	12	10	600	25	0.5	1	
87	RFNL15TJ6S	G	FHG	C9	600	600	15	160	1.3	15	10	600	65	0.5	1	
88	RFV15TJ6S	G	—	C9	600	600	15	150	2.8	15	10	600	30	0.5	1	
89	RFNL20TJ6S	G	FHG	C9	600	600	20	200	1.3	20	10	600	70	0.5	1	
90	RFN20TJ6S	G	FHG	C9	600	600	20	150	1.55	20	10	600	60	0.5	1	
91	RFUH20TJ6S	G	FHG	C9	600	600	20	120	2.8	20	10	600	35	0.5	1	
92	RFL30TZ6S	G	—	C13	650	650	30	200	1.5	30	5	650	55	0.5	1	TO-247-2L (TO-247GE-2L)
93	RFS30TZ6S	G	—	C13	650	650	30	160	2.3	30	5	650	35	0.5	1	
94	RFL60TZ6S	G	—	C13	650	650	60	320	1.5	60	10	650	75	0.5	1	
95	RFS60TZ6S	G	—	C13	650	650	60	250	2.3	60	10	650	55	0.5	1	—

*General Part No. have no grade code.
Note: (): ROHM Packages.



Rectifier Diodes

●Quick Reference for Rectifier Diodes

Rectifier Diodes

Example: **R R E 0 7 V T M 4 S F H T R**
 Part No. Grade Code Taping Code

	V_R (V)	I_O (A)	Surface Mount type			
			2514 size			
			SOD-323HE (TUMD2SM)		TO-252AA D-PAK (TO-252M)	
General Purpose Rectifier Diodes	400	0.2	RRE02VSM4S RRE02VTM4S	1 2		
		0.7	RRE07VSM4S RRE07VTM4S	3 4		
	600	0.2	RRE02VSM6S RRE02VTM6S	5 6		
		0.7	RRE07VSM6S RRE07VTM6S	7 8		
Power Rectifier Diodes	400	6			RR601BM4S	9
	1,000	20				

Note: (): ROHM Packages.

General Purpose Rectifier Diodes																		
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _a =25°C/T _c =25°C/T _j =25°C)				Electrical Characteristics (T _j =25°C)							Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz,1~	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	trr (ns) Max	I _F (mA)	I _R (mA)			
		General	Automotive															
1	RRE02VSM4S	★	—	TR	400	400	0.2	1	1.1	0.2	1	400	—	—	—	SOD-323HE (TUMD2SM)		—
2	RRE02VTM4S	—	FH	TR	400	400	0.2	1	1.1	0.2	1	400	—	—	—			YES
3	RRE07VSM4S	★	—	TR	400	400	0.7	2	1.1	0.7	1	400	—	—	—			—
4	RRE07VTM4S	—	FH	TR	400	400	0.7	2	1.1	0.7	1	400	—	—	—			YES
5	RRE02VSM6S	★	—	TR	600	600	0.2	1	1.1	0.2	1	600	—	—	—			—
6	RRE02VTM6S	—	FH	TR	600	600	0.2	1	1.1	0.2	1	600	—	—	—			YES
7	RRE07VSM6S	★	—	TR	600	600	0.7	2	1.1	0.7	1	600	—	—	—			—
8	RRE07VTM6S	—	FH	TR	600	600	0.7	2	1.1	0.7	1	600	—	—	—			YES
Power Rectifier Diodes																		
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _a =25°C/T _c =25°C/T _j =25°C)				Electrical Characteristics (T _j =25°C)							Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O (A)	I _{FSM} (A) 60Hz,1~	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	trr (ns) Max	I _F (mA)	I _R (mA)			
		General	Automotive															
9	RR601BM4S	—	FH	TL	400	400	6	40	1.1	6	10	400	—	—	—	TO-252AA D-PAK (TO-252M)		YES

*General Part No. have no grade code.

Note: (): ROHM Packages.

Zener Diodes

Zener Diodes

Example:

Y	D	Z	V
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F	H
---	---

T	R
---	---

1	3
---	---

Part No. Grade Code Taping Code Zener Voltage

Zener Diodes 2

General Features																	
Package	Surface Mount type																
																	
	2514 size SOD-323HE (TUMD2M)				2514 size SOD-323HE (TUMD2M)				2924 size SOT-23 (SSD3)				2924 size SOT-23 (SSD3)				
Equivalent Circuit Diagram																	
Series Name	TDZV series				YDZV series				BZX84BxxLY series				BZX84CxxLY series				
Automotive Grade Code	—				FH				FH				FH				
Power (mW)	500				500				250				250				
Taping Code	TR				TR				T116				T116				
Electrical Characteristics (T _a =25°C)	V _Z (V)		I _Z (mA)	Automotive Grade AEC-Q101	V _Z (V)		I _Z (mA)	Automotive Grade AEC-Q101	V _Z (V)		I _Z (mA)	Automotive Grade AEC-Q101	V _Z (V)		I _Z (mA)	Automotive Grade AEC-Q101	
Voltage	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	5.1	4.60 to 5.60	10	—	—	—	—	—	—	5V1	5.00 to 5.20	5	YES	5V1	4.40 to 5.40	5	YES
	5.6	5.10 to 6.10	10	—	—	—	—	—	—	5V6	5.49 to 5.71	5	YES	5V6	5.20 to 6.00	5	YES
	6.2	5.60 to 6.80	10	—	—	—	—	—	—	6V2	6.08 to 6.32	5	YES	6V2	5.80 to 6.60	5	YES
	6.8	6.20 to 7.40	10	—	—	—	—	—	—	6V8	6.66 to 6.94	5	YES	6V8	6.40 to 7.20	5	YES
	7.5	6.80 to 8.30	10	—	—	—	—	—	—	7V5	7.35 to 7.65	5	YES	7V5	7.00 to 7.90	5	YES
	8.2	7.40 to 9.00	10	—	—	—	—	—	—	8V2	8.04 to 8.36	5	YES	8V2	7.70 to 8.70	5	YES
	9.1	8.20 to 10.00	10	—	—	—	—	—	—	9V1	8.92 to 9.28	5	YES	9V1	8.50 to 9.60	5	YES
	10	9.00 to 11.00	10	—	—	—	—	—	—	10V	9.80 to 10.20	5	YES	10V	9.40 to 10.60	5	YES
	11	9.90 to 12.10	10	—	—	—	—	—	—	11V	10.80 to 11.20	5	YES	11V	10.40 to 11.60	5	YES
	12	10.80 to 13.20	10	—	—	—	—	—	—	12V	11.80 to 12.20	5	YES	12V	11.40 to 12.70	5	YES
	13	11.70 to 14.30	10	—	13	11.70 to 14.30	10	YES	13V	12.70 to 13.30	5	YES	13V	12.40 to 14.10	5	YES	
	15	13.50 to 16.50	10	—	15	13.50 to 16.50	10	YES	15V	14.70 to 15.30	5	YES	15V	13.80 to 15.60	5	YES	
	16	14.40 to 17.60	10	—	16	14.40 to 17.60	10	YES	16V	15.70 to 16.30	5	YES	16V	15.30 to 17.10	5	YES	
	18	16.20 to 19.80	10	—	18	16.20 to 19.80	10	YES	18V	17.60 to 18.40	5	YES	18V	16.80 to 19.10	5	YES	
	20	18.00 to 22.00	10	—	20	18.00 to 22.00	10	YES	20V	19.60 to 20.40	5	YES	20V	18.80 to 21.20	5	YES	
	22	19.80 to 24.20															

*Only Automotive Grade
Note1: This table shows available voltages.
Note2: (): ROHM Packages.

Zener Diodes

Protection Device
Example: **UMZC6.8NFM FH T106**
Part No. Grade Code Taping Code

Low Capacitance Protection Devices													
Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)						Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code		Taping Code		P ₀ (mW)	V _{BR} (V)	I _Z (mA)	Ct (pF) Typ	f (MHz)	V _R (V)			
	General	Automotive											
CDZCV5.1B	★	—	T2R	100	4.98 to 5.20	5	5.5	1	0	 SOD-923 (VMN2M)		—	
CDZCV6.8B		—	T2R	100	6.65 to 6.93	5	3	1	0			—	
EDZCV6.8B		—	T2R	150	6.65 to 6.93	5	3	1	0	 SOD-523 (EMD2)		—	
RSAC6.8CM		—	T2R	100	6.70 to 7.33	5	0.3	1	0	 SOD-923 (VMN2M)		—	
RSAC16CM		—	T2R	100	16.49 to 17.51	5	0.3	1	0			—	
UMZC6.8NFM			FH	T106	200	6.47 to 7.14	5	3	1	0	 SOT-323 (UMD3)		YES
UMZU6.2NFM			FH	T106	200	5.90 to 6.50	5	8	1	0			YES

*General Part No. have no grade code.
Note: (): ROHM Packages.

Ultra Low Capacitance Bi-Directional Zener Diodes													
Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code		P _D (mW)	V _{BR} (V)	I _Z (mA)	Ct (pF) Typ	f (MHz)				V _R (V)
	General	Automotive											
RSBC6.8CM	*	—	T2N	100	6.62 to 7.24	5	1	1	0	 SOD-923 (VMN2M)		—	

*General Part No. have no grade code.
Note: (): ROHM Packages.

TVS

●Quick Reference TVS (ESD Protection Devices)

V _{RWM} (V)	Surface Mount type									
	0603 size	1006 size	2924 size	2513 size	3516 size	4725 size	6546 size			
										
	DSN0603-2 (SMD0603B)	DSN1006-2 (SMD1006)	SOT-23 (SSD3)	(PMDE)	SOD-123FL (PMDU)	SOD-128 (PMDTM)	TO-277A (TO-277GE)	TO-252AA D-PAK (TO-252M)	TO-263AB D2PAK (TO-263S)	
3.0			MMBZ5V6ALY MMBZ6V2ALY	6 7						
4.5			MMBZ6V8ALY	8						
5.0				VS5V0UA1VWM	22	SMF5V0	54	VS5V0UA1LAM	77	
6.0			MMBZ9V1ALY	9	VS6V0UA1VWM	23	SMF6V0	55	VS6V0UA1LAM	78
6.3		VS6V3UC1QS	5							
6.5			MMBZ10VALY	10	VS6V5UA1VWM	24	SMF6V5	56		
7.0	VS7V0UD1HS	1				SMF7V0	57	VS7V0UA1LAM	79	
7.5				VS7V5UA1VWM	25	SMF7V5	58			
8.0						SMF8V0	59	VS8V0UA1LAM	80	
8.5			MMBZ12VALY	11						
9.0	VS9V0UD1HS	2		VS9V0UA1VWM	26	SMF9V0	60	VS9V0UA1LAM	81	
10.0						SMF10V	61	VS10VUA1LAM	82	
11.0				VS11VUA1VWM	27	SMF11V	62	VS11VUA1LAM	83	
12.0	VS12VUD1HS	3	MMBZ15VALY	12	VS12VUA1VWM	28	SMF12V	63	VS12VUA1LAM	84
13.0			MMBZ16VALY	13	VS13VUA1VWM	29	SMF13V	64	VS13VUA1LAM	85
14.0						SMF14V	65	VS14VUA1LAM	86	
14.5			MMBZ18VALY	14						
15.0	VS15VUD1HS	4		VS15VUA1VWM	30	SMF15V	66	VS15VUA1LAM	87	
16.0				VS16VUA1VWM	31	SMF16V	67	VS16VUA1LAM	88	
17.0			MMBZ20VALY	15	VS17VUA1VWM	32	SMF17V	68	VS17VUA1LAM	89
18.0				VS18VUA1VWM	33	SMF18V	69	VS18VUA1LAM	90	
20.0			MMBZ24VALY	16	VS20VUA1VWM	34	SMF20V	70	VS20VUA1LAM	91
22.0			MMBZ27VALY MMBZ27VCLY	17 21	VS22VUA1VWM	35	SMF22V	71	VS22VUA1LAM	92
24.0			MMBZ30VALY	18	VS24VUA1VWM	36	SMF24V	72	VS24VUA1LAM	93
26.0			MMBZ33VALY	19	VS26VUA1VWM	37	SMF26V	73	VS26VUA1LAM	94
28.0			MMBZ36VALY	20			SMF28V	74	VS28VUA1LAM	95
30.0				VS30VUA1VWM	38	SMF30V	75	VS30VUA1LAM	96	
33.0				VS33VUA1VWM	39	SMF33V	76			
36.0				VS36VUA1VWM	40					
40.0				VS40VUA1VWM	41					
43.0				VS43VLNVWM	42					
48.0				VS48VLNVWM	43					
54.0				VS54VLNVWM	44					
58.0				VS58VLNVWM	45					
64.0				VS64VLNVWM	46					
70.0				VS70VLNVWM	47					
78.0				VS78VLNVWM	48					
85.0				VS85VLNVWM	49					
90.0				VS90VLNVWM	50					
100				VS100VLNVWM	51					
110				VS110VLNVWM	52					
130				VS130VLNVWM	53					

Note: (): ROHM Packages.

●Quick Reference Bi-Directional TVS

V _{RWM} (V)	Surface Mount type											
	0402 size		0603 size				1006 size		2012 size		2924 size	
												
	DSN0402-2 (SMD0402)		DSN0603-2 (SMD0603)		DSN0603-2 (SMD0603B)		DSN1006-2 (SMD1006)		DSN2012-2 (SMD2012)		SOT-23 (SSD3)	
3.3	VS3V3BA1FS VS3V3BB1FS VS3V3BT1FS	103 104 105	VS3V3BA1ES VS3V3BB1ES	109 110	VS3V3BC1HS VS3V3BL1HS VS3V3BN1HS	108 121 122						
4.5							VS4V5BU1QS	115				
4.8									VS4V8BU1AR	116		
5.0	VS5V0BA1FS VS5V0BB1FS	106 107	VS5V0BA1ES VS5V0BB1ES VS5V0BC1ES	111 112 113	VS5V0BL1HS VS5V0BN1HS	123 124	VS5V0BL1QS	125				
12.0					VS12VBA1HS	114					ESD16VHY	117
16.0											ESD18VHY	118
24.0											ESD27VHY RESD1CANY	119 120

Note: (): ROHM Packages.

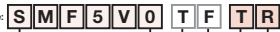
TVS

TVS
Example: **V S 5 V 0 U A 1 V W M T F T R**
Part No. Grade Code Taping Code

TVS												
Quick Reference No.	Product No.				V _{RWM} (V)	Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		Peak Pulse Power (W) (tp=10×1,000μs)	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code		P _D (mW)	V _Z (V) or V _{BR} (V)	I _Z (mA)				
		General	Automotive									
1	VS7V0UD1HS	*	—	T15R	7.0	100	7.20 to 9.00	1	126 (8/20μs)	DSN0603-2 (SMD0603B)		—
2	VS9V0UD1HS		—	T15R	9.0	100	9.60 to 11.80	1	128 (8/20μs)			—
3	VS12VUD1HS		—	T15R	12.0	100	12.20 to 13.80	1	129 (8/20μs)			—
4	VS15VUD1HS		—	T15R	15.0	100	15.30 to 16.90	1	135 (8/20μs)			—
5	VS6V3UC1QS		—	T18R	6.3	200	6.70 to 7.70	1	660 (8/20μs)			DSN1006-2 (SMD1006)
6	MMBZ5V6ALY		FH	T116	3.0	225	5.32 to 5.88	20	24	SOT-23 (SSD3)		YES
7	MMBZ6V2ALY		FH	T116	3.0	225	5.89 to 6.51	1	24			YES
8	MMBZ6V8ALY		FH	T116	4.5	225	6.46 to 7.14	1	24			YES
9	MMBZ9V1ALY		FH	T116	6.0	225	8.65 to 9.56	1	24			YES
10	MMBZ10VALY		FH	T116	6.5	225	9.50 to 10.50	1	24			YES
11	MMBZ12VALY		FH	T116	8.5	225	11.40 to 12.60	1	40			YES
12	MMBZ15VALY		FH	T116	12.0	225	14.25 to 15.75	1	40			YES
13	MMBZ16VALY		FH	T116	13.0	225	15.20 to 16.80	1	40			YES
14	MMBZ18VALY		FH	T116	14.5	225	17.10 to 18.90	1	40			YES
15	MMBZ20VALY		FH	T116	17.0	225	19.00 to 21.00	1	40			YES
16	MMBZ24VALY		FH	T116	20.0	225	22.80 to 25.20	1	40			YES
17	MMBZ27VALY		FH	T116	22.0	225	25.65 to 28.35	1	40			YES
18	MMBZ30VALY		FH	T116	24.0	225	28.50 to 31.50	1	40			YES
19	MMBZ33VALY		FH	T116	26.0	225	31.35 to 34.65	1	40			YES
20	MMBZ36VALY		FH	T116	28.0	225	34.20 to 37.80	1	40			YES
21	MMBZ27VCLY		FH	T116	22.0	225	25.65 to 28.35	1	40			
22	VS5V0UA1VWM	TF	TR	5.0	1,000	6.40 to 7.20	40	200	(PMDE)		YES	
23	VS6V0UA1VWM	TF	TR	6.0	1,000	6.80 to 7.70	40	200			YES	
24	VS6V5UA1VWM	TF	TR	6.5	1,000	7.50 to 8.40	40	200			YES	
25	VS7V5UA1VWM	TF	TR	7.5	1,000	8.20 to 9.30	40	200			YES	
26	VS9V0UA1VWM	TF	TR	9.0	1,000	10.0 to 11.2	40	200			YES	
27	VS11VUA1VWM	TF	TR	11.0	1,000	12.0 to 12.2	20	200			YES	
28	VS12VUA1VWM	TF	TR	12.0	1,000	13.3 to 15.0	20	200			YES	
29	VS13VUA1VWM	TF	TR	13.0	1,000	14.7 to 16.5	20	200			YES	
30	VS15VUA1VWM	TF	TR	15.0	1,000	16.2 to 18.3	20	200			YES	
31	VS16VUA1VWM	TF	TR	16.0	1,000	18.0 to 20.3	20	200			YES	
32	VS17VUA1VWM	TF	TR	17.0	1,000	18.8 to 21.2	20	200			YES	
33	VS18VUA1VWM	TF	TR	18.0	1,000	20.0 to 22.4	20	200			YES	
34	VS20VUA1VWM	TF	TR	20.0	1,000	22.0 to 24.5	10	200			YES	
35	VS22VUA1VWM	TF	TR	22.0	1,000	24.0 to 27.6	10	200			YES	
36	VS24VUA1VWM	TF	TR	24.0	1,000	27.0 to 30.8	10	200			YES	
37	VS26VUA1VWM	TF	TR	26.0	1,000	28.6 to 32.1	10	200			YES	
38	VS30VUA1VWM	TF	TR	30.0	1,000	33.0 to 37.0	10	200			YES	
39	VS33VUA1VWM	TF	TR	33.0	1,000	36.0 to 40.0	10	200			YES	
40	VS36VUA1VWM	TF	TR	36.0	1,000	40.0 to 46.0	10	200			YES	
41	VS40VUA1VWM	TF	TR	40.0	1,000	44.0 to 50.0	10	200			YES	
42	VS43VLNVWM	TF	TR	43.0	1,000	48.0 to 54.0	2	200			YES	
43	VS48VLNVWM	TF	TR	48.0	1,000	53.0 to 60.0	2	200			YES	
44	VS54VLNVWM	TF	TR	54.0	1,000	58.0 to 66.0	2	200			YES	
45	VS58VLNVWM	TF	TR	58.0	1,000	64.0 to 72.0	2	200			YES	
46	VS64VLNVWM	TF	TR	64.0	1,000	70.0 to 79.0	2	200			YES	
47	VS70VLNVWM	TF	TR	70.0	1,000	77.0 to 87.0	2	200			YES	
48	VS78VLNVWM	TF	TR	78.0	1,000	85.0 to 96.0	2	200			YES	
49	VS85VLNVWM	TF	TR	85.0	1,000	94.0 to 106	2	200			YES	
50	VS90VLNVWM	TF	TR	90.0	1,000	104 to 116	2	200			YES	
51	VS100VLNVWM	TF	TR	100	1,000	114 to 126	2	200			YES	
52	VS110VLNVWM	TF	TR	110	1,000	122 to 138	2	200			YES	
53	VS130VLNVWM	TF	TR	130	1,000	140 to 160	2	200			YES	

*General Part No. have no grade code.
Note: (): ROHM Packages.

TVS

TVS
Example: 
Part No. Grade Code Taping Code

TVS												
Quick Reference No.	Product No.				V _{RWM} (V)	Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		Peak Pulse Power (W) (tp=10×1,000μs)	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code		P _D (mW)	V _Z (V) or V _{BR} (V)	I _Z (mA)				
		General	Automotive									
54	SMF5V0	*	TF	TR	5.0	1,000	6.40 or more	40	200	SOD-123FL (PMDU)		YES
55	SMF6V0		TF	TR	6.0	1,000	6.67 or more	40	200			YES
56	SMF6V5		TF	TR	6.5	1,000	7.22 or more	40	200			YES
57	SMF7V0		TF	TR	7.0	1,000	7.78 or more	40	200			YES
58	SMF7V5		TF	TR	7.5	1,000	8.33 or more	40	200			YES
59	SMF8V0		TF	TR	8.0	1,000	8.89 or more	40	200			YES
60	SMF9V0		TF	TR	9.0	1,000	10.0 or more	40	200			YES
61	SMF10V		TF	TR	10.0	1,000	11.1 or more	20	200			YES
62	SMF11V		TF	TR	11.0	1,000	12.2 or more	20	200			YES
63	SMF12V		TF	TR	12.0	1,000	13.3 or more	20	200			YES
64	SMF13V		TF	TR	13.0	1,000	14.4 or more	20	200			YES
65	SMF14V		TF	TR	14.0	1,000	15.6 or more	20	200			YES
66	SMF15V		TF	TR	15.0	1,000	16.7 or more	20	200			YES
67	SMF16V		TF	TR	16.0	1,000	17.2 or more	20	200			YES
68	SMF17V		TF	TR	17.0	1,000	18.9 or more	20	200			YES
69	SMF18V		TF	TR	18.0	1,000	20.0 or more	20	200			YES
70	SMF20V		TF	TR	20.0	1,000	22.2 or more	10	200			YES
71	SMF22V		TF	TR	22.0	1,000	24.4 or more	10	200			YES
72	SMF24V		TF	TR	24.0	1,000	26.7 or more	10	200			YES
73	SMF26V		TF	TR	26.0	1,000	28.9 or more	10	200			YES
74	SMF28V		TF	TR	28.0	1,000	31.1 or more	10	200			YES
75	SMF30V		TF	TR	30.0	1,000	33.3 or more	10	200			YES
76	SMF33V		TF	TR	33.0	1,000	36.7 or more	10	200			YES
77	VS5V0UA1LAM		TF	TR	5.0	—	6.45 to 7.14	10	600			SOD-128 (PMDTM)
78	VS6V0UA1LAM		TF	TR	6.0	—	6.67 to 7.37	10	600	YES		
79	VS7V0UA1LAM		TF	TR	7.0	—	7.78 to 8.60	10	600	YES		
80	VS8V0UA1LAM		TF	TR	8.0	—	8.89 to 9.83	1	600	YES		
81	VS9V0UA1LAM		TF	TR	9.0	—	10.0 to 11.1	1	600	YES		
82	VS10VUA1LAM		TF	TR	10.0	—	11.1 to 12.3	1	600	YES		
83	VS11VUA1LAM		TF	TR	11.0	—	12.2 to 13.5	1	600	YES		
84	VS12VUA1LAM		TF	TR	12.0	—	13.3 to 14.7	1	600	YES		
85	VS13VUA1LAM		TF	TR	13.0	—	14.4 to 15.9	1	600	YES		
86	VS14VUA1LAM		TF	TR	14.0	—	15.6 to 17.2	1	600	YES		
87	VS15VUA1LAM		TF	TR	15.0	—	16.7 to 18.5	1	600	YES		
88	VS16VUA1LAM		TF	TR	16.0	—	17.8 to 19.7	1	600	YES		
89	VS17VUA1LAM		TF	TR	17.0	—	18.9 to 20.9	1	600	YES		
90	VS18VUA1LAM	TF	TR	18.0	—	20.0 to 22.1	1	600	YES			
91	VS20VUA1LAM	TF	TR	20.0	—	22.2 to 24.5	1	600	YES			
92	VS22VUA1LAM	TF	TR	22.0	—	24.4 to 26.9	1	600	YES			
93	VS24VUA1LAM	TF	TR	24.0	—	26.7 to 29.5	1	600	YES			
94	VS26VUA1LAM	TF	TR	26.0	—	28.9 to 31.9	1	600	YES			
95	VS28VUA1LAM	TF	TR	28.0	—	31.1 to 34.4	1	600	YES			
96	VS30VUA1LAM	TF	TR	30.0	—	33.3 to 36.8	1	600	YES			
97	RSDT27RSM	*	TF	TL1	22.0	1,500	24.0 to 30.0	10	1,500	TO-277A (TO-277GE)		YES*1
98	RSDT30RSM		TF	TL1	24.0	1,500	27.0 to 33.0	10	1,500			YES*1
99	RSDT27BM	—	FH	TL	22.0	2,500	24.0 to 30.0	10	2,500	TO-252AA D-PAK (TO-252M)		YES
100	RSDT30BM		FH	TL	24.0	2,500	27.0 to 33.0	10	2,500			YES
101	RSDT27NS	*	FH	TL	22.0	5,000	24.0 to 30.0	10	3,600	TO-263AB D2PAK (TO-263S)		YES
102	RSDT30NS	—	FH	TL	24.0	5,000	27.0 to 33.0	10	3,600			YES

*General Part No. have no grade code.
*1 Some automotive applications may not be supported. Please contact a ROHM sales representative for further details.
Note: () : ROHM Packages.

TVS
Example: **V S 3 V 3 B C 1 H S T 1 5 R**
Part No. Taping Code

Bi-Directional TVS															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)			Peak Pulse Power (W) (tp=8/20μs)	Ct (pF) Typ			Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code		P _D (mW)	V _{BR} (V)	I _Z (mA)		f (MHz)	V _R (V)				
		General	Automotive												
103	VS3V3BA1FS	*	—	T27N	100	4.0 or more	1	26.5	6	1	0	DSN0402-2 (SMD0402)		—	
104	VS3V3BB1FS		—	T27N	100	4.0 or more	1	38	10	1	0			—	
105	VS3V3BT1FS		—	T27N	100	4.0 or more	1	21	4.7	1	0			—	
106	VS5V0BA1FS		—	T27N	100	5.3 or more	1	26.5	6	1	0			—	
107	VS5V0BB1FS		—	T27N	100	5.3 or more	1	45	10	1	0			—	
108	VS3V3BC1HS		—	T15R	100	4.0 or more	1	70	18	1	0	DSN0603-2 (SMD0603B)		—	
109	VS3V3BA1ES		—	T15R	100	4.0 or more	1	28	6	1	0	DSN0603-2 (SMD0603)		—	
110	VS3V3BB1ES		—	T15R	100	4.0 or more	1	45	10	1	0			—	
111	VS5V0BA1ES		—	T15R	100	6.0 to 8.0	1	10	5	1	0			—	
112	VS5V0BB1ES		—	T15R	100	6.0 to 9.0	1	25	7	1	0			—	
113	VS5V0BC1ES		—	T15R	100	6.0 to 9.0	1	60	15	1	0			—	
114	VS12VBA1HS		—	T15R	100	12.5 to 15.0	1	70	7	1	0	DSN0603-2 (SMD0603B)		—	
115	VS4V5BU1QS		—	T18R	200	5.3 to 6.5	1	600	100	1	0	DSN01006-2 (SMD1006)		—	
116	VS4V8BU1AR		—	T7R	—	4.85 to 6.00	1	1,100	480 (Max)	1	0	DSN2012-2 (SMD2012)	—		
117	ESD16VHY		FH	T116	225	15.96 to 17.64	1	100	13	1	0	SOT-23 (SSD3)		YES	
118	ESD18VHY		FH	T116	225	17.86 to 19.74	1	100	12	1	0			YES	
119	ESD27VHY		FH	T116	225	26.41 to 29.19	1	100	8	1	0			YES	
120	RESD1CANY		FH	T116	225	26.20 to 32.00	1	350	30 (Max)	1	0			YES	
Low Capacitance Bi-Directional TVS															
Quick Reference No.	Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)			Remarks	Ct (pF) Typ			Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
	Part No.	Grade Code		Taping Code		P _D (mW)	V _{BR} (V)	I _Z (mA)		f (MHz)	V _R (V)				
		General	Automotive												
121	VS3V3BL1HS	*	—	T15R	100	6.00 to 10.00	1	IEC61000-4-2, 150pF, 330Ω, Contact 20kV, Air 20kV	0.34	1	0	DSN0603-2 (SMD0603B)		—	
122	VS3V3BN1HS		—	T15R	100	6.00 to 10.00	1		0.5	1	0			—	
123	VS5V0BL1HS		—	T15R	100	6.00 to 10.00	1	IEC61000-4-2, 150pF, 330Ω, Contact 11kV, Air 15kV	0.34	1	0			—	
124	VS5V0BN1HS		—	T15R	100	6.00 to 10.00	1		0.5	1	0			—	
125	VS5V0BL1QS		—	T18R	200	7.00 or more	1	IEC61000-4-2, 150pF, 330Ω, Contact 15kV, Air 15kV	0.8	1	0	DSN01006-2 (SMD1006)		—	

*General Part No. have no grade code.
Note: (): ROHM Packages.

Switching Diodes

●Quick Reference for Switching Diodes

V _R (V)	Surface Mount type							
	1006 size	1212 size	1608 size	1616 size	2120 size		2512 size	2924 size
								
	SOD-923 (VMN2M)	SOT-723 (VMD3)	SOD-523 (EMD2)	SOT-416FL (EMD3F)	SOT-323FL (UMD3F)	SOT-323 (UMD3)	SOD-323FL (UMD2)	SOT-23 (SSD3)
20		DA221ZM		DA221WM				
80	1SS400CM	DAN222ZM DAP222ZM	1SS400SM	DAN222WM DAP222WM DAN217WM DA228WM	DAN202UM DAP202UM DAN217UM DA204UM DA228UM BAV199UM	DAN202FM DAP202FM BAV99FM BAV199FM	1SS355VM 1SS380VM	BAS16HY BAV70HY BAW56HY BAV99HY BAW156HY BAV199HY BAS116HY BAV170HY
200							BAS21VM	BAS21HY

Note: (): ROHM Packages.

Switching Diodes



High-speed type																	
Product No.			Absolute Maximum Ratings (T _a =25°C)*1						Electrical Characteristics (T _a =25°C)*1						Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code	Taping Code	V _{RM} (V)	V _R (V)	I _{FM} (mA)	I _O (mA)	I _{surge} (mA)	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	V _R (V)	I _F (mA)			
1SS400CM	—	T2R	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-923 (VMN2M)		—
1SS400SM	FH	T2R	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-523 (EMD2)		YES
1SS355VM	FH	TE-17	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-323FL (UMD2)		YES
BAS16HY	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-23 (SSD3)		YES
DAN222ZM	—	T2L	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-723 (VMD3)		—
DAN222WM	—	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-416FL (EMD3F)		—
DAN202UM	—	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323FL (UMD3F)		—
DAN202FM	FH	T106	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323 (UMD3)		YES
BAV70HY	FH	T116	90	80	450	215*3	4,000 (1μs)	1.25	150	0.5	80	4	10*2	10	SOT-23 (SSD3)		YES
DAP222ZM	—	T2L	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-723 (VMD3)		—
DAP222WM	—	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-416FL (EMD3F)		—
DAP202UM	—	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323FL (UMD3F)		—
DAP202FM	FH	T106	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323 (UMD3)		YES
BAW56HY	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-23 (SSD3)		YES
DAN217WM	FH	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-416FL (EMD3F)		YES
DAN217UM	—	TL	80	80	300	100	4,000 (1μs)	1.2	100	0.2	70	4	6	5	SOT-323FL (UMD3F)		—
BAV99HY	FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-23 (SSD3)		YES
☆BAV99FM	FH	T106	100	80	500	215*3	4,000 (1μs)	1.25	150	0.1	80	4	10*2	10	SOT-323 (UMD3)		YES
BAS21HY	FH	T116	250	200	—	200*3	10,000 (1μs)	1	100	0.1	200	50	30*2	30	SOT-23 (SSD3)		YES
BAS21VM	FH	TE-17	250	200	—	200*3	10,000 (1μs)	1	100	0.1	200	50	30*2	30	SOD-323FL (UMD2)		YES

*General Part No. have no grade code.
*1 Value/Chip *2 Not V_R (V) but I_O (mA) Value *3 I_F (mA) Value
Note: (): ROHM Packages.

☆: Under Development

Switching Diodes

Example:

1	S	S	3	5	5	V	M	F	H	T	E	-	1	7
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Part No. Grade Code Taping Code

Low Leak type																
Product No.			Absolute Maximum Ratings (T _a =25°C)*1							Electrical Characteristics (T _a =25°C)*1						
Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _{FM} (mA)	I _O (mA)	I _{surge} (mA)	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	V _R (V)	I _F (mA)	Package
	General	Automotive														
1SS380VM		FH	TE-17	80	80	225	100	400 (1s)	1.2	100	0.01	80	—	—	—	SOD-323FL (UMD2)
BAW156HY		FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)
BAV199HY		FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)
☆BAV199FM		FH	T106	100	80	500	215*3	4,000 (1μs)	1.25	150	0.01	75	3,000	10*2	10	SOT-323 (UMD3)
BAV199UM		FH	TL	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-323FL (UMD3F)
DA204UM		—	TL	20	20	200	100	300 (1μs)	1.0	10	0.1	15	—	—	—	
DA228UM		—	TL	80	80	200	100	300 (1μs)	1.2	100	0.01	80	—	—	—	SOT-723 (VMD3)
DA221ZM		—	T2L	20	20	200	100	300 (1μs)	1	10	0.1	15	—	—	—	
DA221WM		—	TL	20	20	200	100	300 (1μs)	1	10	0.1	15	—	—	—	SOT-416FL (EMD3F)
DA228WM		—	TL	80	80	200	100	4,000 (1μs)	1.2	100	0.1	80	—	—	—	
BAV170HY		FH	T116	90	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	SOT-23 (SSD3)
BAS116HY		FH	T116	100	80	500	215*3	4,000 (1μs)	1.25	150	0.005	75	3,000	10*2	10	

*General Part No. have no grade code.

*1 Value/Chip *2 Not V_R (V) but I_R (mA) Value *3 I_F (mA) Value

Note: (): ROHM Packages.

☆: Under Development

High Frequency Diodes

●Quick Reference for High Frequency Diodes

	V_R (V)	Surface Mount type			
		1006 size	1608 size	2120 size	2512 size
					
		DFN1006-2W (DFN1006-2W)	SOD-923 (VMN2M)	SOD-523 (EMD2)	SOT-323 (UMD3)
Band Switching Diode	35			1SS390SM	DAN235FM
PIN Diode	50		RN141CM		
	60			RN142SM	RN142VM
Detection Schottky Diode	5	RB886ASA	RB886CM		

Note: (): ROHM Packages.

High Frequency Diodes

High Frequency Diodes

Example:

1	S	S	3	9	0	S	M	F	H	T	2	R
---	---	---	---	---	---	---	---	---	---	---	---	---

Part No. Grade Code Taping Code

Band Switching Diodes																
Product No.				Absolute Maximum Ratings (T _a =25°C)				Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _R (V)	T _J (°C)	Tstg (°C)	Ct (pF) Max	V _R (V)	f (MHz)	rF (Ω) Max	I _F (mA)	f (MHz)				
	General	Automotive														
1SS390SM	*	FH	T2R	35	150	-55 to +150	1.2	6	1	0.9	2	100	SOD-523 (EMD2)		YES	
DAN235FM		FH	T106	35	150	-55 to +150	1.2	6	1	0.9	2	100	SOT-323 (UMD3)		YES	
PIN Diodes																
Product No.				Absolute Maximum Ratings (T _a =25°C)				Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _R (V)	I _F (mA)	T _J (°C)	Tstg (°C)	Ct (pF) Max	V _R (V)	f (MHz)	rF (Ω) Max	I _F (mA)				f (MHz)
	General	Automotive														
RN141CM	*	—	T2R	50	100	150	-55 to +150	0.8	1	1	2	3	100	SOD-923 (VMN2M)		—
RN142SM		—	T2R	60	100	150	-55 to +150	0.45	1	1	3	3	100	SOD-523 (EMD2)		—
RN142VM		—	TE-17	60	100	150	-55 to +150	0.45	1	1	3	3	100	SOD-323FL (UMD2)		—
Detection Schottky Diodes																
Product No.				Absolute Maximum Ratings (T _a =25°C)				Electrical Characteristics (T _a =25°C)					Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Part No.	Grade Code		Taping Code	V _R (V)	I _F (mA)	T _J (°C)	Tstg (°C)	V _F (V) Max	I _F (mA)	Ct (pF) Max	V _R (V)	f (MHz)				
	General	Automotive														
RB886CM	*	—	T2R	5	10	125	-40 to +125	0.35	1	0.80	1	1	SOD-923 (VMN2M)		—	
RB886ASA	—	FH	T2RB	5	10	150	-55 to +150	0.35	1	0.8	1	1	DFN1006-2W (DFN1006-2W)		YES	

*General Part No. have no grade code.
Note: (): ROHM Packages.

Packages

■ Dimensions (Unit: mm)

Surface Mount Type

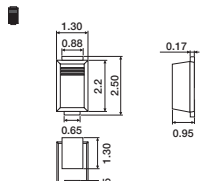
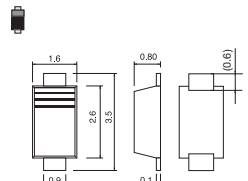
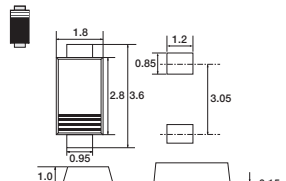
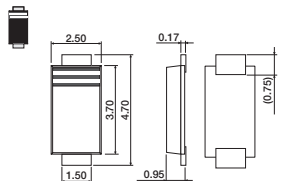
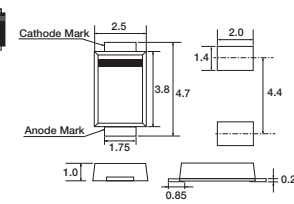
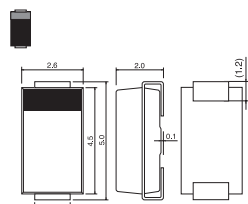
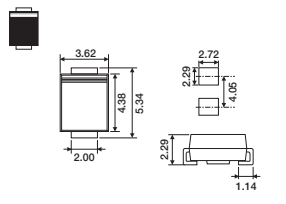
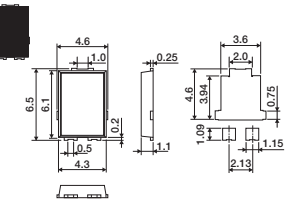
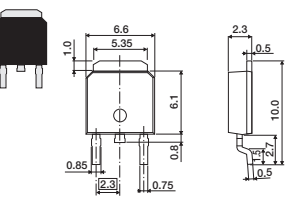
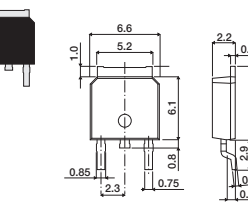
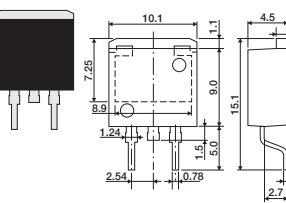
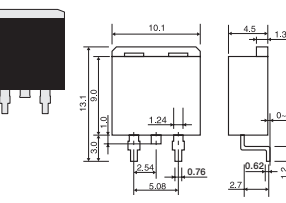
DSN0402-2 (SMD0402) Cathode Mark 0.001 to 0.009 0.180 ±0.010 0.276 ±0.010 0.094 ±0.010 0.400 ±0.010 0.170±0.010 0.200 ±0.010	DSN0603-2 (SMD0603) Cathode Mark 0 to 0.010 0.260 0.180 0.300 0.380 0.600 0.280	DSN1006-2 (SMD1006) Cathode Mark 0 to 0.010 0.500 0.250 0.600 0.650 1.000 0.22	DSN2012-2 (SMD2012) Cathode Mark 0.005 0.30 1.00 1.25 1.30 0.50 2.00
DFN1006-2W (DFN1006-2W) Cathode Mark 0.5 0.25 0 to 0.03 0.6 1.0 0.4Max Cathode Mark (Pin) ±0.125Min	SOD-923 (VMN2M) CATHODE MARK 0.37 0 to 0.10 0.16 0.86 1.00 0.22 0.60 (0.26)	SOT-723 (VMD3) 1.2 0.2 0.8 0.2 0.8 0.4 0.4 0.22 0.3 0.3 0.32 1.2 0.13 0.5 0 to 0.1 0.15MAX	SOD-523 (EMD2) 0.8 0.6 1.2 1.6 0.3 0.12 (0.3)
SOT-416FL (EMD3F) 1.6 0.86 1.0 0.13 0.7 0.26	SOD-323FL (UMD2) 1.25 0.7 0.60 2.5 1.7 0.3 0.1	SOT-323FL (UMD3F) 2.0 0.32 0.9 2.1 1.25 1.3 0.13	SOT-323 (UMD3) 0.3 2.1 1.25 1.3 2.0 0.15 0.1 to 0.4 0 to 0.1 0.7 0.9
SOT-23 (SSD3) 2.9 0.4 2.4 1.3 0.95 1.9 0.95 0.45 0.2MIN. 0 to 0.1 0.15	SOD-323HE (TUMD2M) CATHODE MARK 1.40 0.17 0 to 0.10 0.60 2.80 2.50 0.80 1.00 1.50 0.40 (0.25)	SOD-323HE (TUMD2SM) CATHODE MARK 1.40 0.17 0 to 0.10 0.60 2.00 2.50 0.80 0.4 (0.25)	SOT-457T (TSMD6) 2.9 1.9 0.95 0.95 2.8 1.6 1.3 0.4 1.0MAX 0.95 0.7 0.3-0.6 0 to 0.1 0.16 1 pin mark Each lead has same dimensions

Note: (): ROHM Packages.

Power Packages

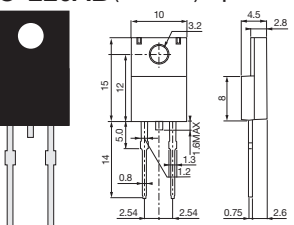
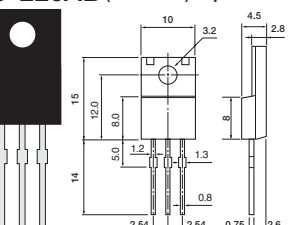
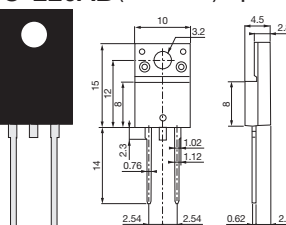
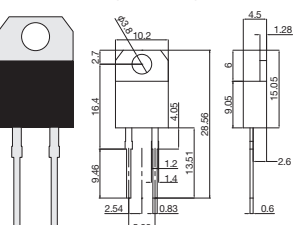
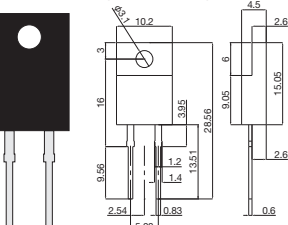
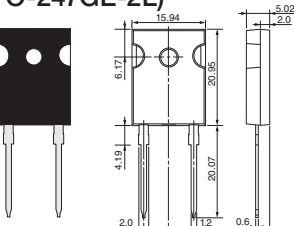
●Dimensions (Unit: mm)

Surface Mount type

(PMDE) 	SOD-123FL (PMDU) 	SOD-123FL (PMDUP) 	SOD-128 (PMDTM) 
SOD-128 (PMDTP) 	DO-214AC SMA (PMDS) 	DO-214AA SMB (SMBP) 	TO-277A (TO-277GE) 
TO-252 D-PAK (TO-252GE)  Each lead has same dimensions	TO-252 D-PAK (TO-252M)  Each lead has same dimensions	TO-263AB D2PAK (TO-263L)  Each lead has same dimensions	TO-263AB D2PAK (TO-263S)  Each lead has same dimensions

Note: () : ROHM Packages.

Through Hole type

TO-220AB (TO-220FN) <2pin>  Each lead has same dimensions	TO-220AB (TO-220FN) <3pin>  Each lead has same dimensions	TO-220AB (TO-220NFM) <2pin>  Each lead has same dimensions
TO-220AC (TO-220AC)  Each lead has same dimensions	TO-220AC (TO-220ACFP)  Each lead has same dimensions	
TO-247-2L (TO-247GE-2L)  Each lead has same dimensions		

Note: () : ROHM Packages.

Product No. Explanation

- When ordering, specify the product number.
- Check each code against the tables shown below.
- Fill in from the left, leaving any extra boxes empty on the right.

• Schottky Barrier Diodes

Example:

R	B	7	5	1	S	M	-	4	0
---	---	---	---	---	---	---	---	---	---

F	H
---	---

T	2	R
---	---	---

Part No. Grade Code Taping Code

• Fast Recovery Diodes

Example:

R	F	0	1	V	M	2	S
---	---	---	---	---	---	---	---

F	H
---	---

T	E	-	1	7
---	---	---	---	---

Part No. Grade Code Taping Code

• Rectifier Diodes

Example:

R	R	1	V	W	M	4	S
---	---	---	---	---	---	---	---

T	F
---	---

T	R
---	---

Part No. Grade Code Taping Code

• Zener Diodes

Example:

E	D	Z	V
---	---	---	---

F	H
---	---

T	2	R
---	---	---

3	.	6
---	---	---

B

Part No. Grade Code Taping Code Zener voltage Sub division

• Protection Device

Example:

U	M	Z	6	.	8	N	F	M
---	---	---	---	---	---	---	---	---

F	H
---	---

T	1	0	6
---	---	---	---

Part No. Grade Code Taping Code

• TVS

Example:

V	S	5	V	0	U	A	1	V	W	M
---	---	---	---	---	---	---	---	---	---	---

T	F
---	---

T	R
---	---

Part No. Grade Code Taping Code

• Switching Diodes

Example:

1	S	S	3	5	5	V	M
---	---	---	---	---	---	---	---

F	H
---	---

T	E	-	1	7
---	---	---	---	---

Part No. Grade Code Taping Code

• High Frequency Diodes

Example:

1	S	S	3	9	0	S	M
---	---	---	---	---	---	---	---

F	H
---	---

T	2	R
---	---	---

Part No. Grade Code Taping Code

• Packaging type

	Package				Size (mm)	Height (mm)	Taping Code	Packing Specifications	Direction	Quantity (pcs)
	GENERAL Code	JEDEC Code	ROHM Package	JEITA Code						
Surface Mount type	DSN0402-2 [SOD-992]	—	(SMD0402)	—	0402	0.18	T27R T27N	Embossed tape	Cathode on sprocket hole side Non-direction	27,000
	DSN0603-2 [SOD-962]	—	(SMD0603) (SMD0603B)	—	0603	0.28	T15R	Embossed tape	Cathode on sprocket hole side	15,000
	DSN1006-2 [SOD-993]	—	(SMD1006)	—	1006	0.22	T18R	Embossed tape	Cathode on sprocket hole side	18,000
	DFN1006-2W [SOD-882]	—	(DFN1006-2W)	—	1006	0.4	T2RB	Embossed tape	Cathode on sprocket hole side	8,000
	SOT-723	—	(VMD3)	SC-105AA	1212	0.5	T2L	Embossed tape	One terminal on sprocket hole side	8,000
	SOD-923	—	(VMN2M)	SC-121	1006	0.37	T2R	Embossed tape	Cathode on sprocket hole side	8,000
	SOD-523	—	(EMD2)	SC-79	1608	0.6	T2R T2N	Embossed tape	Cathode on sprocket hole side Non-direction	8,000
	SOT-416FL	—	(EMD3F)	SC-89	1616	0.7	TL	Embossed tape	One terminal on sprocket hole side	3,000
	DSN2012-2	—	(SMD2012)	—	2012	0.3	T7R	Embossed tape	Cathode on sprocket hole side	7,000
	SOD-323FL	—	(UMD2)	SC-90A	25125	0.7	TE-17	Embossed tape	Cathode on sprocket hole side	3,000
	SOT-323	—	(UMD3)	SC-70	2120	0.9	T106	Embossed tape	One terminal on sprocket hole side	3,000
	SOT-323FL	—	(UMD3F)	SC-85	2120	0.9	TL	Embossed tape	One terminal on sprocket hole side	3,000
	SOT-23	—	(SSD3)	—	2429	0.95	T116	Embossed tape	One terminal on sprocket hole side	3,000
	SOD-323HE	—	(TUMD2M) (TUMD2SM)	SC-108B —	2514	0.6	TR	Embossed tape	Cathode on sprocket hole side	3,000
	—	—	(PMDE)	—	2513	0.95	TR	Embossed tape	Cathode on sprocket hole side	3,000
	SOT-457T	—	(TSMD6)	SC-74	2829	1.10	T108	Embossed tape	4/5/6pin come to sprocket hole side.	3,000
	SOD-123FL	—	(PMDU) (PMDUP)	SC-109B	3516	0.8	TR	Embossed tape	Cathode on sprocket hole side	3,000
	SOD-128	—	(PMDTM) (PMDTP)	—	4725	0.95	TR	Embossed tape	Cathode on sprocket hole side	3,000
	SMA	DO-214AC	(PMDS)	—	4526	2	TE25	Embossed tape	Cathode on sprocket hole side	1,500
	SMB	DO-214AA	(SMBP)	—	5336	2.3	TBR1	Embossed tape	Cathode on sprocket hole side	3,000
	—	TO-277A	(TO-277M) (TO-277GE)	— —	6546	1.1	TL TL1	Embossed tape	Cathode on sprocket hole side	4,000
	D-PAK	TO-252AA	(TO-252M) (TO-252GE)	SC-63	10066	2.3	TL	Embossed tape	Fin on sprocket hole side	2,500
	D2PAK	TO-263AB	(TO-263S) (TO-263L)	SC-83	131101 151101	4.5	TL	Embossed tape	Fin on sprocket hole side	2,500
Through Hole type	—	TO-220AB	(TO-220FN) <2pin> (TO-220FN) <3pin> (TO-220NFM)	—	29×10	4.5	C9	Tube	—	1,000
	—	TO-220AC	(TO-220ACFP) (TO-220AC)	—	28.56×10.2	4.5	C9	Tube	—	1,000
	—	TO-247-2L	(TO-247GE-2L)	—	41.0×15.9	5.0	C13	Tube	—	600