

Schottky Barrier Diodes

● Quick Reference for Small Signal type Schottky Barrier Diodes







V _S (V)	I _O (mA)	Surface Mount type										
		0402 size		0603 size				1006 size				
		DSN0402-2 (SMD0402)		DSN0603-2 (SMD0603)		DSN0603-2 (SMD0603B)		DSN1006-2 (SMD1006)		SOD-923 (VMN2M)		
20	2,000							RAS MID™ RB061QS-20	5			
30	30										RB751CM-40	7
	100	RAS MID™ ☆RB522FS-30	1	RAS MID™ RB522ES-30	2						RB520CM-30 RB521CM-30 RB530CM-30 RB531CM-30	8 9 10 11
	200					RAS MID™ RB520HS-30	3					
						RAS MID™ RB532HS-30	4					
40	100										RB530CM-40 RB531CM-40 RB520CM-40 RB521CM-40	12 13 14 15
	1,000							RAS MID™ RB161QS-40	6			
60	100										RB530CM-60 RB520CM-60	16 17

©RAS MID™: ROHM's proprietary new method that enables superior dimensional precision, making it possible to develop the ultra-compact products.

☆: Under Development

RAS MID™ is a trademark or a registered trademark of ROHM Co., Ltd.

Note: Package is JEDEC code. (): ROHM Packages.

V _R (V)	I _o (mA)	Surface Mount type													
		1608 size		2512 size		2514 size		1616 size		2120 size		2924 size			
															
SOD-523 (EMD2)		SOD-323FL (UMD2)		SOD-323HE (TUMD2M)		SOT-416FL (EMD3F)		SOT-323FL (UMD3F)		SOT-323 (UMD3)		SOT-23 (SSD3)			
20	500		RB551VM-30	36	RB411VAM-50	61									
	700									New RB461FM	116				
	1,000				RB162VAM-20	62									
	2,000				RB161VAM-20	63									
					RBE1VAM20A	64									
					RBE2VAM20A	65									
30	30	RB751SM-40	18	RB751VM-40	37										
	100	RB510SM-30	19	RB510VM-30	38			RB548WM	107						
		RB511SM-30	20	RB530VM-30	39			RB557WM	101						
		RB500SM-30	21	RB511VM-30	40			RB558WM	108						
		RB501SM-30	22	RB531VM-30	41										
	200	RB520SM-30	23	RB520VM-30	42								New BAT54CHY	99	
		RB521SM-30	24	RB521VM-30	43								New BAT54AHY	105	
		RB530SM-30	25	RB540VM-30	44								New BAT54SHY	112	
		RB531SM-30	26	RB541VM-30	45								New BAT54HY	118	
	500		RB550VM-30	46	RSX051VAM30	66									
						RSX051VYM30	67								
	700				RSX071VAM30	68									
					RSX071VYM30	69									
1,000					RB168VAM-30	70									
					RB168VYM-30	71									
					RB550VAM-30	72									
					RB550VYM-30	73									
					RSX101VAM30	74									
					RSX101VYM30	75									
1,500				RSX201VAM30	76										
					RSX201VYM30	77									
40	30						RB715WM	95	RB715UM	96	New RB706FM-40	104			
							RB706WM-40	109	RB717UM	102	New RB715FM-40	98			
									RB706UM-40	110					
	80										New RB508FM-40	117			
											New RB508FM-40S	111			
											New RB508FM-40A	103			
											New RB508FM-40C	97			
	100	RB510SM-40	27	RB510VM-40	47				RB451UM	114					
		RB511SM-40	28	RB511VM-40	48				RB450UM	115					
		RB530SM-40	29	RB530VM-40	49										
	RB531SM-40	30	RB531VM-40	50											
			RB500VM-40	51											
			RB501VM-40	52											
120												New BAS40-05HY	100		
												New BAS40-06HY	106		
												New BAS40-04HY	113		
												New BAS40HY	119		
200	RB540SM-40	31	RB540VM-40	53											
	RB541SM-40	32	RB541VM-40	54											
	RB520SM-40	33	RB520VM-40	55											
	RB521SM-40	34	RB521VM-40	56											
				RB550VM-40	57										
				RB551VM-40	58										
500			RB560VM-40	59	RB400VAM-50	78									
			RB561VM-40	60	RB400VYM-50	79									
1,000					RB160VAM-40	80									
					RB160VYM-40	81									
					RB168VAM-40	82									
					RB168VYM-40	83									
200	RB521SM-60	35													
60	1,000				RB160VAM-60	84									
					RB168VAM-60	85									
					RB168VYM-60	86									
90	200				RB021VAM90	87									
100	700				RB578VAM100	88									
					RB578VYM100	89									
	1,000				RB168VAM100	90									
					RB168VYM100	91									
150	500				RB558VAM150	92									
	1,000				RB168VAM150	93									
					RB168VYM150	94									

Note: Package is JEDEC code. (): 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)					
		General	Automotive														
1	RASMD™ ☆RB522FS-30	—	—	T27R	30	30	100	0.5	0.37	10	7	10	DSN0402-2 (SMD0402)		—		
2	RASMD™ RB522ES-30	—	—	T15R	30	30	100	0.5	0.37	10	7	10	DSN0603-2 (SMD0603)		—		
3	RASMD™ RB520HS-30	—	—	T15R	30	30	200	1.5	0.43	10	0.3	10	DSN0603-2 (SMD0603B)		—		
4	RASMD™ RB532HS-30	—	—	T15R	30	30	200	1.5	0.3	10	15	10			—		
5	RASMD™ RB061QS-20	—	—	T18R	20	20	2,000	15	0.47	2,000	200	10	DSN1006-2 (SMD1006)		—		
6	RASMD™ RB161QS-40	—	—	T18R	40	40	1,000	7	0.6	1,000	100	10			—		
7	RB751CM-40	—	—	T2R	40	30	30	0.2	0.37	1	0.5	30	SOD-923 (VMN2M)		—		
8	RB520CM-30	—	—	T2R	—	30	100	0.5	0.45	10	0.5	10			—		
9	RB521CM-30	—	—	T2R	—	30	100	0.5	0.35	10	10	10			—		
10	RB530CM-30	—	—	T2R	30	30	100	0.5	0.46	10	0.3	10			—		
11	RB531CM-30	—	—	T2R	30	30	100	0.5	0.37	10	7	10			—		
12	RB530CM-40	—	—	T2R	40	40	100	0.5	0.48	10	2	40			—		
13	RB531CM-40	—	—	T2R	40	40	100	0.5	0.41	10	25	40			—		
14	RB520CM-40	—	—	T2R	40	40	100	1	0.71	100	15	40			—		
15	RB521CM-40	—	—	T2R	40	40	100	1	0.61	100	100	40			—		
16	RB530CM-60	—	—	T2R	60	60	100	0.2	0.54	10	1	60			—		
17	RB520CM-60	—	—	T2R	60	60	100	0.5	0.44	10	3	60			—		
18	RB751SM-40	FH	—	T2R	40	30	30	0.2	0.37	1	0.5	30			SOD-523 (EMD2)	YES	
19	RB510SM-30	—	—	T2R	30	30	100	0.5	0.46	10	0.3	10				—	
20	RB511SM-30	—	—	T2R	30	30	100	0.5	0.37	10	7	10				—	
21	RB500SM-30	☆	—	FH	T2R	30	30	100	1	0.45	10	0.5				10	YES
22	RB501SM-30	FH	—	T2R	30	30	100	1	0.35	10	10	10				YES	
23	RB520SM-30	FH	—	T2R	—	30	200	1	0.58	200	1	10				YES	
24	RB521SM-30	FH	—	T2R	—	30	200	1	0.47	200	30	10	YES				
25	RB530SM-30	FH	—	T2R	—	30	200	1	0.45	10	0.5	10	YES				
26	RB531SM-30	FH	—	T2R	—	30	200	1	0.35	10	10	10	YES				
27	RB510SM-40	FH	—	T2R	40	40	100	0.5	0.48	10	2	40	YES				
28	RB511SM-40	—	—	T2R	40	40	100	0.5	0.41	10	25	40	—				
29	RB530SM-40	FH	—	T2R	40	40	100	1	0.71	100	15	40	YES				
30	RB531SM-40	—	—	T2R	40	40	100	1	0.61	100	100	40	—				
31	RB540SM-40	—	—	T2R	40	40	200	1	0.71	100	15	40	—				
32	RB541SM-40	—	—	T2R	40	40	200	1	0.61	100	100	40	—				
33	RB520SM-40	FH	—	T2R	45	40	200	1	0.55	100	10	40	YES				
34	RB521SM-40	FH	—	T2R	45	40	200	1	0.54	200	90	40	YES				
35	RB521SM-60	FH	—	T2R	60	60	200	1	0.6	200	100	60	YES				
36	RB551VM-30	—	—	TE-17	30	20	500	2	0.47	500	100	20	SOD-323FL (UMD2)		—		
37	RB751VM-40	FH	—	TE-17	40	30	30	0.2	0.37	1	0.5	30			YES		
38	RB510VM-30	FH	—	TE-17	30	30	100	0.5	0.46	10	0.3	10			YES		
39	RB530VM-30	FH	—	TE-17	30	30	100	0.5	0.45	10	0.5	10			YES		
40	RB511VM-30	—	—	TE-17	30	30	100	0.5	0.37	10	7	10			—		
41	RB531VM-30	—	—	TE-17	30	30	100	1	0.49	100	10	10	—				

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*General Part No. have no grade code.

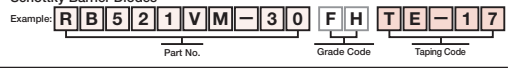
*1 I_O: Average output current per chip. In case of 1, 2 or 3 chip diodes. I_O indicates average output current of 1, 2 or 3 chips.

*2 Value/Chip



Note: Package is JEDEC code. (): ROHM Packages.

☆: Under Development

Schottky Barrier Diodes



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~	V _F (V) Max	I _F (mA)	I _R (μA) Max	V _R (V)					
		General	Automotive														
42	RB520VM-30		FH	TE-17	30	30	200	1	0.58	200	1	10	SOD-323FL (UMD2)		YES		
43	RB521VM-30		FH	TE-17	30	30	200	1	0.47	200	30	10			YES		
44	RB540VM-30		-	TE-17	30	30	200	1	0.45	10	0.5	10			-		
45	RB541VM-30		-	TE-17	30	30	200	1	0.64	200	10	10			-		
46	RB550VM-30		-	TE-17	30	30	500	1	0.59	500	35	30			-		
47	RB510VM-40		-	TE-17	40	40	100	0.5	0.48	10	2	40			-		
48	RB511VM-40		-	TE-17	40	40	100	0.5	0.41	10	25	40			-		
49	RB530VM-40		FH	TE-17	40	40	100	1	0.69	100	15	40			YES		
50	RB531VM-40		-	TE-17	40	40	100	1	0.61	100	100	40			-		
51	RB500VM-40		FH	TE-17	45	40	100	1	0.45	10	1	10			YES		
52	RB501VM-40		FH	TE-17	45	40	100	1	0.55	100	30	10			YES		
53	RB540VM-40		-	TE-17	40	40	200	1	0.71	100	15	40			-		
54	RB541VM-40	*	-	TE-17	40	40	200	1	0.61	100	100	40			-		
55	RB520VM-40		FH	TE-17	40	40	200	1	0.55	100	10	40			YES		
56	RB521VM-40		FH	TE-17	40	40	200	1	0.54	200	90	40			YES		
57	RB550VM-40		-	TE-17	40	40	200	1	0.51	200	40	40			-		
58	RB551VM-40		FH	TE-17	40	40	200	1	0.43	200	300	40			YES		
59	RB560VM-40		FH	TE-17	40	40	500	2	0.64	500	40	40			YES		
60	RB561VM-40		-	TE-17	40	40	500	2	0.56	500	300	40			-		
61	RB411VAM-50		-	TR	50	20	500	3	0.5	500	30	10			SOD-323HE (TUMD2M)		-
62	RB162VAM-20		-	TR	25	20	1,000	5	0.4	1,000	1,200	20					-
63	RB161VAM-20		-	TR	30	20	1,000	5	0.42	1,000	1,000	20					-
64	RBE1VAM20A		-	TR	30	20	1,000	3	0.53	1,000	200	20					-
65	RBE2VAM20A		-	TR	30	20	2,000	5	0.46	2,000	700	20					-
66	RSX051VAM30		-	TR	30	30	500	5	0.39	500	200	30					-
67	RSX051VYM30	-	FH	TR	30	30	500	5	0.39	500	200	30					YES
68	RSX071VAM30	*	-	TR	30	30	700	5	0.42	700	200	30					-
69	RSX071VYM30	-	FH	TR	30	30	700	5	0.42	700	200	30					YES
70	RB168VAM-30	*	-	TR	30	30	1,000	5	0.73	1,000	0.3	30					-
71	RB168VYM-30	-	FH	TR	30	30	1,000	5	0.73	1,000	0.3	30					YES
72	RB550VAM-30	*	-	TR	30	30	1,000	5	0.52	1,000	30	10	-				
73	RB550VYM-30	-	FH	TR	30	30	1,000	3	0.52	1,000	30	10	YES				
74	RSX101VAM30	*	-	TR	30	30	1,000	5	0.47	1,000	200	30	-				
75	RSX101VYM30	-	FH	TR	30	30	1,000	5	0.47	1,000	200	30	YES				
76	RSX201VAM30	*	-	TR	30	30	1,500	8	0.46	1,500	300	30	-				
77	RSX201VYM30	-	FH	TR	30	30	1,500	8	0.46	1,500	30	30	YES				
78	RB400VAM-50	*	-	TR	50	40	500	3	0.55	500	50	30	-				
79	RB400VYM-50	-	FH	TR	50	40	500	3	0.55	500	50	30	YES				
80	RB160VAM-40	*	-	TR	40	40	1,000	10	0.55	700	50	40	-				
81	RB160VYM-40	-	FH	TR	40	40	1,000	10	0.55	700	50	40	YES				
82	RB168VAM-40	*	-	TR	40	40	1,000	5	0.79	1,000	0.5	40	-				

*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: Package is JEDEC code. (): ROHM Packages.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example: **R B 1 6 8 V Y M - 6 0 F H T R**
 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 _r =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)					
		General	Automotive														
83	RB168VYM-40	—	FH	TR	40	40	1,000	5	0.79	1,000	0.5	40	SOD-323HE (TUMD2M)		YES		
84	RB160VAM-60	*	—	TR	60	60	1,000	5	0.67	1,000	40	60			—		
85	RB168VAM-60	*	—	TR	60	60	1,000	5	0.82	1,000	1	60			—		
86	RB168VYM-60	—	FH	TR	60	60	1,000	5	0.82	1,000	1	60			YES		
87	RB021VAM90	*	—	TR	90	90	200	5	0.49	200	900	90			—		
88	RB578VAM100	*	—	TR	100	100	700	5	0.85	700	0.2	100			—		
89	RB578VYM100	—	FH	TR	100	100	700	5	0.85	700	0.2	100			YES		
90	RB168VAM100	*	—	TR	100	100	1,000	5	0.84	1,000	0.3	100			—		
91	RB168VYM100	—	FH	TR	100	100	1,000	5	0.84	1,000	0.3	100			YES		
92	RB558VAM150	*	—	TR	150	150	500	3	0.95	500	0.5	150			—		
93	RB168VAM150	*	—	TR	150	150	1,000	5	0.89	1,000	1	150			—		
94	RB168VYM150	—	FH	TR	150	150	1,000	5	0.89	1,000	1	150			YES		
95	RB715WM	—	FH	TL	40	40	30*2	0.2	0.37	1	1	10			SOT-416FL (EMD3F)		YES
96	RB715UM	—	—	TL	40	40	30	0.2	0.37	1	1	10			SOT-323FL (UMD3F)		—
97	New RB508FM-40C	—	FH	T106	40	40	80	1	0.48	1	0.035	30	SOT-323 (UMD3)	YES			
98	New RB715FM-40	—	FH	T106	40	40	30	0.2	0.37	1	1	10		YES			
99	New BAT54CHY	—	FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)	YES			
100	New BAS40-05HY	—	FH	T116	40	40	120*2	0.6	0.5	10	1	30		YES			
101	RB557WM	—	—	TL	—	30	100*2	0.5	0.49	100	10	10	SOT-416FL (EMD3F)	—			
102	RB717UM	—	—	TL	45	40	30*2	0.2	0.37	1	1	30	SOT-323FL (UMD3F)	—			
103	New RB508FM-40A	—	FH	T106	40	40	80	1	0.48	1	0.035	30	SOT-323 (UMD3)	YES			
104	New RB706FM-40	—	FH	T106	45	40	30	0.2	0.37	1	1	30		YES			
105	New BAT54AHY	—	FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)	YES			
106	New BAS40-06HY	—	FH	T116	40	40	120*2	0.6	0.5	10	1	30		YES			
107	RB548WM	*	—	TL	—	30	100*2	0.5	0.45	10	0.5	10	SOT-416FL (EMD3F)	—			
108	RB558WM	—	—	TL	—	30	100*2	0.5	0.49	100	10	10		—			
109	RB706WM-40	—	—	TL	45	40	30*2	0.2	0.37	1	0.5	30		—			
110	RB706UM-40	—	—	TL	45	40	30*2	0.2	0.37	1	1	30		SOT-323FL (UMD3F)	—		
111	New RB508FM-40S	—	FH	T106	40	40	80	1	0.48	1	0.035	30	SOT-323 (UMD3)	YES			
112	New BAT54SHY	—	FH	T116	30	30	200*2	0.6	0.8	100	2	25	SOT-23 (SSD3)	YES			
113	New BAS40-04HY	—	FH	T116	40	40	120*2	0.6	0.5	10	1	30		YES			
114	RB451UM	—	—	TL	40	40	100	1	0.45	100	90	40	SOT-323FL (UMD3F)	—			
115	RB450UM	—	—	TL	45	40	100	1	0.55	100	10	40		—			
116	New RB461FM	—	FH	T106	25	20	700	3	0.49	700	200	20	SOT-323 (UMD3)	YES			
117	New RB508FM-40	—	FH	T106	40	40	80	1	0.48	1	0.035	30		YES			
118	New BAT54HY	—	FH	T116	30	30	200*2	0.6	0.8	100	2	25		SOT-23 (SSD3)	YES		
119	New 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: Package is JEDEC code. (): ROHM Packages.

●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)		(PMDU) (SOD-123FL)				(PMDTM) (SOD-128)			DO-214AC (PMDS) (SMA)	
Low I _R type		Ultra Low V _F type		Low I _R type		Ultra Low V _F type		Low I _R type		Ultra Low V _F type		
20	5							RSX501LAM20	2			
30	1		RSX101MM-30	1								
	2							RSX201LAM30 RSX205LAM30	3 4		RSX201L-30 RSX205L-30	6 7
	3							RSX301LAM30	5		RSX301L-30	8
100	2	☆RBLQ2VWM10	9			☆RBLQ2MM10	10					
	3									☆RBLQ3LAM10	11	

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code. ☆: Under Development

●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						
		(PMDE)		(PMDU) (SOD-123FL)				(PMDTM) (SOD-128)			DO-214AC (PMDS) (SMA)						
Low V _F type		Ultra Low I _R type		Ultra Low V _F type		Low V _F type		Ultra Low I _R type		Ultra Low V _F type							
20	1			RBS1MM40A	12			RBS1LAM40A	18								
	2			RBS2MM40A	13			RBS2LAM40A	19								
				RBS2MM40B	14			RBS2LAM40B	20								
				RBS2MM40C	15			RBS2LAM40C	21								
				RBS3MM40A	16			RBS3LAM40A	22								
30	3			RBS3MM40B	17			RBS3LAM40B	23								
							RBS3LAM40C	24									
	5							RBS5LAM40A	25								
40	1	New RBR1VWM30A	26	New RB168VWM-30	87	RBR1MM30A	32	RB168MM-30	97	RBR1LAM30A	48	RB168LAM-30	106	RBR1L30A	66	RB168L-30	126
		New RBR2VWM30A	27	New RB068VWM-30	88	RBR2MM30A RBR2MM30B	33 34	RB068MM-30	98	RBR2LAM30A	49	RB068LAM-30	107	RBR2L30A	67	RB068L-30	127
	3					RBR3MM30A	35			RBR3LAM30A RBR3LAM30B	50 51	RB058LAM-30	108	RBR3L30A RBR3L30B	68 69	RB058L-30	128
										RBR5LAM30A RBR5LAM30B	52 53	RB088LAM-30	109	RBR5L30A RBR5L30B	70 71		
60	1	New RBR1VWM40A	28	New RB168VWM-40	89	RBR1MM40A	36	RB168MM-40	99	RBR1LAM40A	54	RB168LAM-40	110	RBR1L40A	72	RB168L-40	129
		New RBR2VWM40A	29	New RB068VWM-40	90	RBR2MM40A RBR2MM40B RBR2MM40C	37 38 39	RB068MM-40	100	RBR2LAM40A	55	RB068LAM-40	111	RBR2L40A	73	RB068L-40	130
	3					RBR3MM40A RBR3MM40B	40 41			RBR3LAM40A RBR3LAM40B RBR3LAM40C	56 57 58	RB058LAM-40	112	RBR3L40A RBR3L40B RBR3L40C	74 75 76	RB058L-40	131
										RBR5LAM40A	59	RB088LAM-40	113	RBR5L40A	77		
90	1	New RBR1VWM60A	30	New RB168VWM-60	91	RBR1MM60A	42	RB168MM-60	101	RBR1LAM60A	60	RB168LAM-60	114	RBR1L60A	78	RB168L-60	132
		New RBR2VWM60A	31	New RB068VWM-60	92	RBR2MM60A RBR2MM60B RBR2MM60C	43 44 45	RB068MM-60	102	RBR2LAM60A RBR2LAM60B	61 62	RB068LAM-60	115	RBR2L60A RBR2L60B	79 80	RB068L-60	133
	3					RBR3MM60A RBR3MM60B	46 47			RBR3LAM60A RBR3LAM60B	63 64	RB058LAM-60	116	RBR3L60A RBR3L60B	81 82	RB058L-60	134
										RBR5LAM60A	65	RB088LAM-60	117	RBR5L60A	83		
100	1					RB160MM-90	85			RB160LAM-90	86			RB160L-90	84		
	2			New RB168VWM100	93			RB168MM100	103			RB168LAM100	118		RB168L100	135	
									RB068MM100	104			RB068LAM100	119		RB068L100	136
													RB058LAM100	120			
													RB088LAM100	121			
150	1			New RB168VWM150	95			RB168MM150	105			RB168LAM150	122		RB168L150	137	
												RB068LAM150	123		RB068L150	138	
	2			New RB068VWM150	96							RB058LAM150	124		RB058L150	139	
													RB088LAM150	125			

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Schottky Barrier Diodes

Schottky Barrier Diodes

Example: **R S X 1 0 1 M M - 3 0 T F T R**
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 _c =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)				
Ultra Low V_F type																
1	RSX101MM-30	*	TF	TR	30	30	1	45	0.39	1	0.2	30	(PMDU) (SOD-123FL)		YES	
2	RSX501LAM20	*	—	TR	20	20	5	100	0.39	3	0.5	20	(PMDTM) (SOD-128)		—	
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 (PMDS) (SMA)		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	☆RBLQ2VWM10	*	TF	TR	100	100	2	30	0.77	2	0.01	100	(PMDE)		YES	
10	☆RBLQ2MM10	*	TF	TR	100	100	2	30	0.77	2	0.01	100	(PMDU) (SOD-123FL)		YES	
11	☆RBLQ3LAM10	*	TF	TR	100	100	3	80	0.64	3	0.03	100	(PMDTM) (SOD-128)		YES	

Middle Power Schottky Barrier Diodes (Standard type) 1

Quick Reference No.	Product No.				Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _c =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)							
Ultra Low V_F type																			
12	RBS1MM40A	*	—	TR	40	20	1	25	0.38	1	0.4	20	(PMDU) (SOD-123FL)		—				
13	RBS2MM40A		—	TR	40	20	2	25	0.48	2	0.4	20			—				
14	RBS2MM40B		—	TR	40	20	2	35	0.41	2	0.5	20			—				
15	RBS2MM40C		—	TR	40	20	2	45	0.39	2	0.6	20			—				
16	RBS3MM40A		—	TR	40	20	3	35	0.49	3	0.5	20			—				
17	RBS3MM40B	—	TR	40	20	3	45	0.45	3	0.6	20	—							
18	RBS1LAM40A	*	—	TR	40	20	1	40	0.38	1	0.4	20	(PMDTM) (SOD-128)		—				
19	RBS2LAM40A		—	TR	40	20	2	40	0.48	2	0.4	20			—				
20	RBS2LAM40B		—	TR	40	20	2	50	0.41	2	0.5	20			—				
21	RBS2LAM40C		—	TR	40	20	2	80	0.37	2	0.8	20			—				
22	RBS3LAM40A		—	TR	40	20	3	50	0.49	3	0.5	20			—				
23	RBS3LAM40B		—	TR	40	20	3	60	0.45	3	0.6	20			—				
24	RBS3LAM40C		—	TR	40	20	3	80	0.4	3	0.8	20			—				
25	RBS5LAM40A		—	TR	40	20	5	80	0.49	5	0.8	20			—				
Low V_F type																			
26	<i>New</i> RBR1VWM30A		*	TF	TR	30	30	1	30	0.48	1	0.05			30	(PMDE)		YES	
27	<i>New</i> RBR2VWM30A	TF		TR	30	30	2	30	0.53	2	0.05	30	YES						
28	<i>New</i> RBR1VWM40A	TF		TR	40	40	1	20	0.52	1	0.05	40	YES						
29	<i>New</i> RBR2VWM40A	TF		TR	40	40	2	20	0.62	2	0.05	40	YES						
30	<i>New</i> RBR1VWM60A	TF		TR	60	60	1	20	0.53	1	0.075	60	YES						
31	<i>New</i> RBR2VWM60A	TF		TR	60	60	2	20	0.65	2	0.075	60	YES						
32	RBR1MM30A	*	TF	TR	30	30	1	30	0.48	1	0.05	30	(PMDU) (SOD-123FL)		YES				
33	RBR2MM30A		TF	TR	30	30	2	30	0.53	2	0.05	30			YES				
34	RBR2MM30B		TF	TR	30	30	2	30	0.49	2	0.08	30			YES				
35	RBR3MM30A		TF	TR	30	30	3	30	0.51	3	0.1	30			YES				
36	RBR1MM40A		TF	TR	40	40	1	20	0.52	1	0.05	40			YES				
37	RBR2MM40A		TF	TR	40	40	2	20	0.62	2	0.05	40			YES				
38	RBR2MM40B		TF	TR	40	40	2	30	0.55	2	0.08	40			YES				
39	RBR2MM40C		TF	TR	40	40	2	30	0.52	2	0.1	40			YES				
40	RBR3MM40A		TF	TR	40	40	3	30	0.62	3	0.08	40			YES				
41	RBR3MM40B		TF	TR	40	40	3	30	0.58	3	0.1	40			YES				
42	RBR1MM60A		TF	TR	60	60	1	20	0.53	1	0.075	60			YES				
43	RBR2MM60A		TF	TR	60	60	2	20	0.65	2	0.075	60			YES				
44	RBR2MM60B		TF	TR	60	60	2	30	0.58	2	0.1	60			YES				
45	RBR2MM60C		TF	TR	60	60	2	30	0.55	2	0.12	60			YES				
46	RBR3MM60A		TF	TR	60	60	3	30	0.66	3	0.1	60			YES				
47	RBR3MM60B		TF	TR	60	60	3	30	0.61	3	0.12	60			YES				
48	RBR1LAM30A		*	TF	TR	30	30	1	40	0.48	1	0.05			30	(PMDTM) (SOD-128)		YES	
49	RBR2LAM30A	TF		TR	30	30	2	45	0.49	2	0.08	30	YES						
50	RBR3LAM30A	TF		TR	30	30	3	40	0.58	3	0.05	30	YES						
51	RBR3LAM30B	TF		TR	30	30	3	45	0.53	3	0.08	30	YES						
52	RBR5LAM30A	TF		TR	30	30	5	75	0.54	5	0.1	30	YES						
53	RBR5LAM30B	TF		TR	30	30	5	100	0.49	5	0.15	30	YES						
54	RBR1LAM40A	TF		TR	40	40	1	40	0.52	1	0.05	40	YES						
55	RBR2LAM40A	TF		TR	40	40	2	45	0.55	2	0.08	40	YES						
56	RBR3LAM40A	TF		TR	40	40	3	40	0.69	3	0.05	40	YES						
57	RBR3LAM40B	TF		TR	40	40	3	45	0.62	3	0.08	40	YES						
58	RBR3LAM40C	TF		TR	40	40	3	75	0.55	3	0.1	40	YES						
59	RBR5LAM40A	TF		TR	40	40	5	100	0.53	5	0.2	40	YES						
60	RBR1LAM60A	TF		TR	60	60	1	40	0.53	1	0.075	60	YES						
61	RBR2LAM60A	TF		TR	60	60	2	40	0.65	2	0.075	60	YES						
62	RBR2LAM60B	TF		TR	60	60	2	75	0.52	2	0.15	60	YES						
63	RBR3LAM60A	TF		TR	60	60	3	45	0.66	3	0.1	60	YES						
64	RBR3LAM60B	TF		TR	60	60	3	75	0.56	3	0.15	60	YES						
65	RBR5LAM60A	TF		TR	60	60	5	100	0.55	5	0.25	60	YES						

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages. () : GENERAL code.

☆: Under Development






Middle Power Schottky Barrier Diodes (Standard type) 2

Quick Reference No.	Product No.				Absolute Maximum Ratings (Tc=25°C)				Electrical Characteristics (Tj=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 _F (mA) Max	V _R (V)						
Low V_F type																		
66	RBR1L30A	-	DD	TE25	30	30	1	30	0.48	1	0.05	30	DO-214AC (PMDS) (SMA)		YES			
67	RBR2L30A		DD	TE25	30	30	2	40	0.49	2	0.08	30						
68	RBR3L30A		DD	TE25	30	30	3	30	0.58	3	0.05	30						
69	RBR3L30B		DD	TE25	30	30	3	40	0.53	3	0.08	30						
70	RBR5L30A		DD	TE25	30	30	5	50	0.54	5	0.1	30						
71	RBR5L30B		DD	TE25	30	30	5	50	0.49	5	0.15	30						
72	RBR1L40A		DD	TE25	40	40	1	30	0.52	1	0.05	40						
73	RBR2L40A		DD	TE25	40	40	2	40	0.55	2	0.08	40						
74	RBR3L40A		DD	TE25	40	40	3	30	0.69	3	0.05	40						
75	RBR3L40B		DD	TE25	40	40	3	40	0.62	3	0.08	40						
76	RBR3L40C		DD	TE25	40	40	3	50	0.55	3	0.1	40						
77	RBR5L40A		DD	TE25	40	40	5	50	0.53	5	0.2	40						
78	RBR1L60A		DD	TE25	60	60	1	30	0.53	1	0.075	60						
79	RBR2L60A		DD	TE25	60	60	2	30	0.65	2	0.075	60						
80	RBR2L60B		DD	TE25	60	60	2	50	0.52	2	0.15	60						
81	RBR3L60A		DD	TE25	60	60	3	40	0.66	3	0.1	60						
82	RBR3L60B		DD	TE25	60	60	3	50	0.56	3	0.15	60						
83	RBR5L60A		DD	TE25	60	60	5	50	0.55	5	0.25	60						
84	RB160L-90		-	TF	TE25	95	90	1	30	0.73	1	0.1			90	DO-214AC (PMDS) (SMA)		YES
85	RB160MM-90		*	TF	TR	90	90	1	30	0.73	1	0.1			90	(PMDU) (SOD-123FL)		YES
86	RB160LAM-90	*	TF	TR	95	90	1	50	0.73	1	0.1	90	(PMDTM) (SOD-128)		YES			
Ultra Low I_r type																		
87	<i>New</i> RB168VWM-30	*	TF	TR	30	30	1	30	0.69	1	0.0006	30	(PMDE)		YES			
88	<i>New</i> RB068VWM-30		TF	TR	30	30	2	30	0.75	2	0.0006	30						
89	<i>New</i> RB168VWM-40		TF	TR	40	40	1	30	0.69	1	0.0005	40						
90	<i>New</i> RB068VWM-40		TF	TR	40	40	2	30	0.79	2	0.0005	40						
91	<i>New</i> RB168VWM-60		TF	TR	60	60	1	30	0.76	1	0.0005	60						
92	<i>New</i> RB068VWM-60		TF	TR	60	60	2	30	0.84	2	0.0005	60						
93	<i>New</i> RB168VWM100		TF	TR	100	100	1	30	0.84	1	0.0003	100						
94	<i>New</i> RB068VWM100		TF	TR	100	100	2	30	0.94	2	0.0003	100						
95	<i>New</i> RB168VWM150		TF	TR	150	150	1	30	0.89	1	0.001	150						
96	<i>New</i> RB068VWM150		TF	TR	150	150	2	30	0.96	2	0.001	150						
97	RB168MM-30	*	TF	TR	30	30	1	30	0.69	1	0.0006	30	(PMDU) (SOD-123FL)		YES			
98	RB068MM-30		TF	TR	30	30	2	50	0.7	2	0.0008	30						
99	RB168MM-40		TF	TR	40	40	1	40	0.65	1	0.00055	40						
100	RB068MM-40		TF	TR	40	40	2	40	0.725	2	0.00055	40						
101	RB168MM-60		TF	TR	60	60	1	40	0.68	1	0.0015	60						
102	RB068MM-60		TF	TR	60	60	2	40	0.765	2	0.0015	60						
103	RB168MM100		TF	TR	100	100	1	40	0.81	1	0.0004	100						
104	RB068MM100		TF	TR	100	100	2	40	0.87	2	0.0004	100						
105	RB168MM150		TF	TR	150	150	1	35	0.84	1	0.004	150						
106	RB168LAM-30		*	TF	TR	30	30	1	40	0.69	1	0.0006			30	(PMDTM) (SOD-128)		YES
107	RB068LAM-30	TF		TR	30	30	2	50	0.7	2	0.0008	30						
108	RB058LAM-30	TF		TR	30	30	3	80	0.68	3	0.0025	30						
109	RB088LAM-30	TF		TR	30	30	5	80	0.69	5	0.0025	30						
110	RB168LAM-40	TF		TR	40	40	1	40	0.69	1	0.0005	40						
111	RB068LAM-40	TF		TR	40	40	2	50	0.69	2	0.001	40						
112	RB058LAM-40	TF		TR	40	40	3	90	0.69	3	0.0025	40						
113	RB088LAM-40	TF		TR	40	40	5	90	0.71	5	0.0036	40						
114	RB168LAM-60	TF		TR	60	60	1	40	0.68	1	0.0015	60						
115	RB068LAM-60	TF		TR	60	60	2	70	0.68	2	0.002	60						
116	RB058LAM-60	TF		TR	60	60	3	90	0.64	3	0.004	60						
117	RB088LAM-60	TF		TR	60	60	5	90	0.71	5	0.004	60						
118	RB168LAM100	TF		TR	100	100	1	40	0.81	1	0.0004	100						
119	RB068LAM100	TF		TR	100	100	2	70	0.81	2	0.0015	100						
120	RB058LAM100	TF		TR	100	100	3	80	0.81	3	0.003	100						
121	RB088LAM100	TF		TR	100	100	5	80	0.87	5	0.003	100						
122	RB168LAM150	TF		TR	150	150	1	50	0.84	1	0.0025	150						
123	RB068LAM150	TF		TR	150	150	2	70	0.81	2	0.003	150						
124	RB058LAM150	TF	TR	150	150	3	80	0.84	3	0.003	150							
125	RB088LAM150	TF	TR	150	150	5	80	0.9	5	0.003	150							
126	RB168L-30	-	TF	TE25	30	30	1	30	0.69	1	0.0006	30	DO-214AC (PMDS) (SMA)		YES			
127	RB068L-30		DD	TE25	30	30	2	60	0.7	2	0.0008	30						
128	RB058L-30		DD	TE25	30	30	3	90	0.68	3	0.0025	30						
129	RB168L-40		TF	TE25	40	40	1	50	0.65	1	0.00055	40						
130	RB068L-40		DD	TE25	40	40	2	50	0.69	2	0.001	40						
131	RB058L-40		DD	TE25	40	40	3	100	0.7	3	0.005	40						
132	RB168L-60		TF	TE25	60	60	1	50	0.68	1	0.0015	60						
133	RB068L-60		DD	TE25	60	60	2	90	0.68	2	0.002	60						
134	RB058L-60		DD	TE25	60	60	3	120	0.64	3	0.004	60						
135	RB168L100		DD	TE25	100	100	1	50	0.81	1	0.0004	100						
136	RB068L100		DD	TE25	100	100	2	110	0.79	2	0.003	100						
137	RB168L150		DD	TE25	150	150	1	50	0.84	1	0.004	150						
138	RB068L150		DD	TE25	150	150	2	90	0.81	2	0.003	150						
139	RB058L150		DD	TE25	150	150	3	90	0.85	3	0.003	150						

*General Part No. have no grade code.
 Note: Package is JEDEC code. (): ROHM Packages. <): GENERAL code.

Schottky Barrier Diodes



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

V _R (V)	I _o (A)	Surface Mount type								
										
		(TO-252GE) (DPAK) Low I _R type		TO-252 (DPAK) Low I _R type		TO-263AB (D2PAK) Low I _R type				
100	20	☆RBLQ20BGE10		1	☆RBLQ20BM10		2	☆RBLQ20NB10S ☆RBLQ20NB10C		3 5
	30							☆RBLQ30NB10S		4

Note: Package is JEDEC code. (): ROHM Packages. (): GENERAL code.

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

V _R (V)	I _o (A)	Surface Mount type												
														
		(TO-252GE) (DPAK) Low V _F type		Low I _R type	Ultra Low I _R type	(TO-252) (DPAK) Low V _F type		Low I _R type	Ultra Low I _R type					
30	5			New RB078BGE30S	81				RB078BM30S	92				
	6			New RB098BGE-30	82				RB098BM-30	93				
	10	New RBR10BGE30A	6			New RB088BGE-30	83	RBR10BM30A	15		RB088BM-30	94		
	15	New RBR15BGE30A	7					RBR15BM30A	16					
	20	New RBR20BGE30A	8					RBR20BM30A	17					
	30													
40	6			New RB098BGE-40	84						RB098BM-40	95		
	10	New RBR10BGE40A	9			New RB088BGE-40	85	RBR10BM40A	18			RB088BM-40	96	
	15	New RBR15BGE40A	10					RBR15BM40A	19					
	20	New RBR20BGE40A	11					RBR20BM40A	20					
	30													
	40													
45	10			New RBQ10BGE45A	45						RBQ10BM45A	53		
	15			New RBQ15BGE45A	46						RBQ15BM45A	54		
	16													
	20			New RBQ20BGE45A	47						RBQ20BM45A	55		
	30													
60	6			New RB098BGE-60	86							RB098BM-60	97	
	10	New RBR10BGE60A	12			New RB088BGE-60	87	RBR10BM60A	21			RB088BM-60	98	
	15	New RBR15BGE60A	13					RBR15BM60A	22					
	20	New RBR20BGE60A	14					RBR20BM60A	23					
	30													
	40													
65	10			New RBQ10BGE65A	48						RBQ10BM65A	56		
	15			New RBQ15BGE65A	49						RBQ15BM65A	57		
	20			New RBQ20BGE65A	50						RBQ20BM65A	58		
	30													
90	6													
	10													
	6			New RB098BGE100	88							RB098BM100	99	
	10			☆RBQ10BGE10A	51	New RB088BGE100	89				RBQ10BM100A	59	RB088BM100	100
	15			☆RBQ15BGE10A	52						RBQ15BM100A	60		
	20										RBQ20BM100A	61		
150	6			New RB098BGE150	90							RB098BM150	101	
	10			RB088BGE150	91							RB088BM150	102	
	20													
	30													
	40													
200	10											New RB088BM200	103	
	20											New RB218BM200	104	

Note: Package is JEDEC code. (): ROHM Packages. (): GENERAL code.

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

V _R (V)	I _O (A)	Surface Mount type				Through Hole type			
									
		(TO-263S) (D2PAK)		TO-263AB (D2PAK)		(TO-220FN) <3pin>		(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
30	5								
	6								
	10	RBR10NS30A	24	RB088NS-30	105	RBR10T30A	36	RB088T-30	128
	15								
	20	RBR20NS30A	25	RB218NS-30	106	RBR20T30A	37	RB218T-30	129
	30	RBR30NS30A	26	RB228NS-30	107	RBR30T30A	38	RB228T-30	130
40	40	RBR40NS30A	27	RB238NS-30	108			RB238T-30	131
	6								
	10	RBR10NS40A	28	RB088NS-40	109	RBR10T40A	39	RB088T-40	132
	15								
	20	RBR20NS40A	29	RB218NS-40	110	RBR20T40A	40	RB218T-40	133
	30	RBR30NS40A	30	RB228NS-40	111	RBR30T40A	41	RB228T-40	134
45	40	RBR40NS40A	31	RB238NS-40	112			RB238T-40	135
	10		RBQ10NS45A	62	☆RBQ10NB45B	72	RBQ10T45A	74	
	15								
	16				☆RBQ16NB45B	73			
	20		RBQ20NS45A	63			RBQ20T45A	75	
60	30		RBQ30NS45A RBQ30NS45B	64 71			RBQ30T45A	76	RBQ30TB45B
	6								
	10	RBR10NS60A	32	RB088NS-60 RB218NS-60	113 114	RBR10T60A	42	RB088T-60 RB218T-60	136 137
	15								
	20	RBR20NS60A	33	RB228NS-60	115	RBR20T60A	43	RB228T-60	138
65	30	RBR30NS60A	34	RB238NS-60	116	RBR30T60A	44	RB238T-60	139
	40	RBR40NS60A	35						
	10		RBQ10NS65A	65			RBQ10T65A	77	
	15								
90	20		RBQ20NS65A	66			RBQ20T65A	78	
	30		RBQ30NS65A	67			RBQ30T65A	79	
	6								
	10								
	6								
100	10		RBQ10NS100A	68	RB088NS100	117		RB088T100	140
	15								
	20		RBQ20NS100A	69	RB218NS100	118		RB218T100	141
	30		RBQ30NS100A	70	RB228NS100 RB298NS100	119 120		RB228T100 RB298T100	142 143
	40			RB238NS100	121		RB238T100	144	
150	6								
	10			RB088NS150	122		RB088T150	145	
	20			RB218NS150	123		RB218T150	146	
	30			RB228NS150	124		RB228T150	147	
200	40			RB238NS150	125		RB238T150	148	
	10			New RB088NS200	126				
	20			New RB218NS200	127				

Note: Package is JEDEC code. (): ROHM Packages. < >: GENERAL code.

☆: Under Development

Schottky Barrier Diodes

Schottky Barrier Diodes

Example: **RBLQ20B M10 F H T L**
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 ₀ *1 (A)	I _{FSM} (A)*2 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)						
		General	Automotive															
Low I_R type																		
1	☆RBLQ20BGE10	*	—	TL	100	100	20	150	0.86	20	0.08	100	(TO-252GE) (DPAK)		—			
2	☆RBLQ20BM10	—	FH	TL	100	100	20	150	0.86	20	0.08	100	TO-252 (DPAK)		YES			
3	☆RBLQ20NB10S	*	FH	TL	100	100	20	200	0.86	20	0.08	100	TO-263AB (D2PAK)		YES			
4	☆RBLQ30NB10S		FH	TL	100	100	30	200	0.86	30	0.15	100			YES			
5	☆RBLQ20NB10C	*	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 ₀ *1 (A)	I _{FSM} (A)*2 60Hz.1~	V _F (V) Max	I _F (A)	I _R (mA) Max	V _R (V)						
		General	Automotive															
Low V_F type																		
6	New RBR10BGE30A	*	—	TL	30	30	10	50	0.55	5	0.1	30	(TO-252GE) (DPAK)		—			
7	New RBR15BGE30A		—	TL	30	30	15	100	0.51	7.5	0.2	30			—			
8	New RBR20BGE30A		—	TL	30	30	20	100	0.51	10	0.3	30			—			
9	New RBR10BGE40A		—	TL	40	40	10	50	0.62	5	0.12	40			—			
10	New RBR15BGE40A		—	TL	40	40	15	100	0.55	7.5	0.24	40			—			
11	New RBR20BGE40A		—	TL	40	40	20	100	0.55	10	0.36	40			—			
12	New RBR10BGE60A		—	TL	60	60	10	50	0.65	5	0.2	60			—			
13	New RBR15BGE60A		—	TL	60	60	15	100	0.58	7.5	0.4	60			—			
14	New RBR20BGE60A		—	TL	60	60	20	100	0.59	10	0.6	60			—			
15	RBR10BM30A		—	FH	TL	30	30	10	50	0.55	5	0.1			30	TO-252 (DPAK)		YES
16	RBR15BM30A			FH	TL	30	30	15	100	0.51	7.5	0.2			30			YES
17	RBR20BM30A			FH	TL	30	30	20	100	0.51	10	0.3			30			YES
18	RBR10BM40A			FH	TL	40	40	10	50	0.62	5	0.12			40			YES
19	RBR15BM40A			FH	TL	40	40	15	100	0.55	7.5	0.24			40			YES
20	RBR20BM40A	FH		TL	40	40	20	100	0.55	10	0.36	40	YES					
21	RBR10BM60A	FH		TL	60	60	10	50	0.65	5	0.2	60	YES					
22	RBR15BM60A	FH		TL	60	60	15	100	0.58	7.5	0.4	60	YES					
23	RBR20BM60A	FH		TL	60	60	20	100	0.59	10	0.6	60	YES					
24	RBR10NS30A	*		FH	TL	30	30	10	50	0.55	5	0.1	30	(TO-263S) (D2PAK)				YES
25	RBR20NS30A			FH	TL	30	30	20	100	0.55	10	0.2	30					YES
26	RBR30NS30A			FH	TL	30	30	30	100	0.55	15	0.3	30					YES
27	RBR40NS30A			FH	TL	30	30	40	100	0.52	20	0.6	30					YES
28	RBR10NS40A			FH	TL	40	40	10	50	0.62	5	0.12	40					YES
29	RBR20NS40A		FH	TL	40	40	20	100	0.62	10	0.24	40	YES					
30	RBR30NS40A		FH	TL	40	40	30	100	0.62	15	0.36	40	YES					
31	RBR40NS40A		FH	TL	40	40	40	100	0.55	20	0.43	40	YES					
32	RBR10NS60A		FH	TL	60	60	10	50	0.65	5	0.2	60	YES					
33	RBR20NS60A		FH	TL	60	60	20	100	0.64	10	0.4	60	YES					
34	RBR30NS60A		FH	TL	60	60	30	100	0.67	15	0.6	60	YES					
35	RBR40NS60A		FH	TL	60	60	40	100	0.6	20	0.8	60	YES					
36	RBR10T30A		NZ	—	C9	30	30	10	50	0.55	5	0.1	30			(TO-220FN) <3pin>		—
37	RBR20T30A		NZ	—	C9	30	30	20	100	0.55	10	0.2	30					—
38	RBR30T30A	NZ	—	C9	30	30	30	100	0.55	15	0.3	30	—					
39	RBR10T40A	NZ	—	C9	40	45	10	50	0.62	5	0.12	40	—					
40	RBR20T40A	NZ	—	C9	40	45	20	100	0.62	10	0.24	40	—					
41	RBR30T40A	NZ	—	C9	40	45	30	100	0.62	15	0.36	40	—					
42	RBR10T60A	NZ	—	C9	60	60	10	50	0.65	5	0.2	60	—					
43	RBR20T60A	NZ	—	C9	60	60	20	100	0.64	10	0.4	60	—					
44	RBR30T60A	NZ	—	C9	60	60	30	100	0.67	15	0.6	60	—					

*General Part No. have no grade code.

*1 I₀: Average rectified output current per die. In case of 2 dies, I₀ indicates average output current of 2 dies.

*2 Value/Die

Note: Package is JEDEC code. (): ROHM Packages. (): GENERAL code.

☆: Under Development

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 _R (V)			
		General	Automotive												
Low I_R type															
45	New RBQ10BGE45A	—	TL	45	45	10	50	0.65	5	0.07	45	(TO-252GE) (DPAK)		—	
46	New RBQ15BGE45A	—	TL	45	45	15	100	0.59	7.5	0.14	45			—	
47	New RBQ20BGE45A	—	TL	45	45	20	100	0.59	10	0.2	45			—	
48	New RBQ10BGE65A	—	TL	65	65	10	50	0.69	5	0.07	65			—	
49	New RBQ15BGE65A	—	TL	65	65	15	100	0.63	7.5	0.14	65			—	
50	New RBQ20BGE65A	—	TL	65	65	20	100	0.63	10	0.2	65			—	
51	☆RBQ10BGE10A	—	TL	100	100	10	100	0.77	5	0.08	100			—	
52	☆RBQ15BGE10A	—	TL	100	100	15	100	0.71	7.5	0.14	100			—	
53	RBQ10BM45A	FH	TL	45	45	10	50	0.65	5	0.07	45	TO-252 (DPAK)		YES	
54	RBQ15BM45A	FH	TL	45	45	15	100	0.59	7.5	0.14	45			YES	
55	RBQ20BM45A	FH	TL	45	45	20	100	0.59	10	0.2	45			YES	
56	RBQ10BM65A	FH	TL	65	65	10	50	0.69	5	0.07	65			YES	
57	RBQ15BM65A	FH	TL	65	65	15	100	0.63	7.5	0.14	65			YES	
58	RBQ20BM65A	FH	TL	65	65	20	100	0.63	10	0.2	65			YES	
59	RBQ10BM100A	FH	TL	100	100	10	100	0.77	5	0.08	100			YES	
60	RBQ15BM100A	FH	TL	100	100	15	100	0.71	7.5	0.14	100			YES	
61	RBQ20BM100A	FH	TL	100	100	20	100	0.69	10	0.2	100	YES			
62	RBQ10NS45A	FH	TL	45	45	10	100	0.65	5	0.07	45	(TO-263S) (D2PAK)		YES	
63	RBQ20NS45A	FH	TL	45	45	20	100	0.65	10	0.14	45			YES	
64	RBQ30NS45A	FH	TL	45	45	30	100	0.65	15	0.2	45			YES	
65	RBQ10NS65A	FH	TL	65	65	10	100	0.69	5	0.07	65			YES	
66	RBQ20NS65A	FH	TL	65	65	20	100	0.69	10	0.14	65			YES	
67	RBQ30NS65A	FH	TL	65	65	30	100	0.69	15	0.2	65			YES	
68	RBQ10NS100A	FH	TL	100	100	10	100	0.77	5	0.08	100			YES	
69	RBQ20NS100A	FH	TL	100	100	20	100	0.77	10	0.14	100			YES	
70	RBQ30NS100A	FH	TL	100	100	30	100	0.77	15	0.2	100			YES	
71	RBQ30NS45B	FH	TL	45	45	30	100	0.59	30	0.7	45				YES
72	☆RBQ10NB45B	FHH	TL	45	45	10	150	0.62	10	0.1	45	TO-263AB (D2PAK)		YES	
73	☆RBQ16NB45B	FHH	TL	45	45	16	150	0.61	16	0.1	45			YES	
74	RBQ10T45A	NZ	—	C9	45	45	10	100	0.65	5	0.07	45	(TO-220FN) <3pin>		—
75	RBQ20T45A	NZ	—	C9	45	45	20	100	0.65	10	0.14	45			—
76	RBQ30T45A	NZ	—	C9	45	45	30	100	0.65	15	0.2	45			—
77	RBQ10T65A	NZ	—	C9	65	65	10	100	0.69	5	0.07	65			—
78	RBQ20T65A	NZ	—	C9	65	65	20	100	0.69	10	0.14	65			—
79	RBQ30T65A	NZ	—	C9	65	65	30	100	0.69	15	0.2	65			—
80	RBQ30TB45B	NZ	—	C9	45	45	30	100	0.59	30	0.7	45	(TO-220FN) <2pin>		—

*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: Package is JEDEC code. (): ROHM Packages. (< >): GENERAL code.

☆: Under Development

Schottky Barrier Diodes

Schottky Barrier Diodes
 Example: **R B 0 7 8 B M 3 0 S F H T L**
Part No. Grade Code Taping Code

Power Schottky Barrier Diodes (Standard type) 3													Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101	
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _c =25°C)				Electrical Characteristics (T _c =25°C)								
	Part No.	Grade Code		Taping Code	V _{RM} (V)	V _R (V)	I _O *1 (A)	I _{FSM} (A)*2	V _F (V) Max	I _F (A)	I _R (mA) Max	V _{SI} (V)				
General		Automotive														
Ultra Low I_R type													(TO-252GE) (DPAK)		-	
81	New	RB078BGE30S	-	TL	35	30	5	50	0.72	5	0.005	30				
82	New	RB098BGE-30	-	TL	35	30	6	50	0.72	3	0.0015	30				
83	New	RB088BGE-30	-	TL	35	30	10	50	0.72	5	0.003	30				
84	New	RB098BGE-40	-	TL	45	40	6	50	0.77	3	0.0015	40				
85	New	RB088BGE-40	-	TL	45	40	10	50	0.77	5	0.003	40				
86	New	RB098BGE-60	-	TL	60	60	6	50	0.83	3	0.0015	60				
87	New	RB088BGE-60	-	TL	60	60	10	50	0.83	5	0.003	60				
88	New	RB098BGE100	-	TL	110	100	6	100	0.77	3	0.003	100				
89	New	RB088BGE100	-	TL	100	100	10	50	0.87	5	0.005	100				
90	New	RB098BGE150	-	TL	150	150	6	100	0.83	3	0.007	150				
91		RB088BGE150	-	TL	150	150	10	50	0.88	5	0.015	150				
92		RB078BM30S	FH	TL	35	30	5	50	0.72	5	0.005	30	(TO-252) (DPAK)		YES	
93		RB098BM-30	FH	TL	35	30	6	50	0.72	3	0.0015	30				
94		RB088BM-30	FH	TL	35	30	10	50	0.72	5	0.003	30				
95		RB098BM-40	FH	TL	45	40	6	50	0.77	3	0.0015	40				
96		RB088BM-40	FH	TL	45	40	10	50	0.77	5	0.003	40				
97		RB098BM-60	FH	TL	60	60	6	50	0.83	3	0.0015	60				
98		RB088BM-60	FH	TL	60	60	10	50	0.83	5	0.003	60				
99		RB098BM100	FH	TL	110	100	6	100	0.77	3	0.003	100				
100		RB088BM100	FH	TL	100	100	10	100	0.87	5	0.005	100				
101		RB098BM150	FH	TL	150	150	6	100	0.83	3	0.007	150				
102		RB088BM150	FH	TL	150	150	10	100	0.88	5	0.015	150				
103	New	RB088BM200	FH	TL	200	200	10	100	0.88	5	0.007	200				
104	New	RB218BM200	FH	TL	200	200	20	100	0.88	10	0.01	200				
105		RB088NS-30	FH	TL	35	30	10	50	0.72	5	0.003	30				(TO-263S) (D2PAK)
106		RB218NS-30	FH	TL	35	30	20	100	0.72	10	0.005	30				
107		RB228NS-30	FH	TL	35	30	30	100	0.72	15	0.01	30				
108		RB238NS-30	FH	TL	35	30	40	100	0.75	20	0.012	30				
109		RB088NS-40	FH	TL	45	40	10	50	0.77	5	0.003	40				
110		RB218NS-40	FH	TL	45	40	20	100	0.77	10	0.005	40				
111		RB228NS-40	FH	TL	45	40	30	100	0.77	15	0.01	40				
112		RB238NS-40	FH	TL	45	40	40	100	0.8	20	0.012	40				
113		RB088NS-60	FH	TL	60	60	10	50	0.83	5	0.003	60				
114		RB218NS-60	FH	TL	60	60	20	100	0.83	10	0.005	60				
115		RB228NS-60	FH	TL	60	60	30	100	0.83	15	0.01	60				
116		RB238NS-60	FH	TL	60	60	40	100	0.86	20	0.012	60				
117		RB088NS100	FH	TL	110	100	10	100	0.87	5	0.005	100				
118		RB218NS100	FH	TL	110	100	20	100	0.87	10	0.007	100				
119		RB228NS100	FH	TL	110	100	30	100	0.87	5	0.005	100				
120		RB298NS100	FH	TL	110	100	30	100	0.87	15	0.01	100				
121		RB238NS100	FH	TL	110	100	40	100	0.86	20	0.02	100				
122		RB088NS150	FH	TL	150	150	10	50	0.88	5	0.015	150				
123		RB218NS150	FH	TL	150	150	20	100	0.88	10	0.02	150				
124		RB228NS150	FH	TL	150	150	30	100	0.88	15	0.025	150				
125		RB238NS150	FH	TL	150	150	40	100	0.87	20	0.03	150				
126	New	RB088NS200	FH	TL	200	200	10	100	0.88	5	0.007	200				
127	New	RB218NS200	FH	TL	200	200	20	100	0.88	10	0.01	200				
128		RB088T-30	NZ	-	C9	35	30	10	50	0.72	5	0.003	30	(TO-220FN) <3pin>		-
129		RB218T-30	NZ	-	C9	35	30	20	100	0.72	10	0.005	30			
130		RB228T-30	NZ	-	C9	35	30	30	100	0.72	15	0.01	30			
131		RB238T-30	NZ	-	C9	35	30	40	100	0.75	20	0.012	30			
132		RB088T-40	NZ	-	C9	45	40	10	50	0.77	5	0.003	40			
133		RB218T-40	NZ	-	C9	45	40	20	100	0.77	10	0.005	40			
134		RB228T-40	NZ	-	C9	45	40	30	100	0.77	15	0.01	40			
135		RB238T-40	NZ	-	C9	45	40	40	100	0.8	20	0.012	40			
136		RB088T-60	NZ	-	C9	60	60	10	50	0.83	5	0.003	60			
137		RB218T-60	NZ	-	C9	60	60	20	100	0.83	10	0.005	60			
138		RB228T-60	NZ	-	C9	60	60	30	100	0.83	15	0.01	60			
139		RB238T-60	NZ	-	C9	60	60	40	100	0.86	20	0.012	60			
140		RB088T100	NZ	-	C9	110	100	10	100	0.87	5	0.005	100			
141		RB218T100	NZ	-	C9	110	100	20	100	0.87	10	0.007	100			
142		RB228T100	NZ	-	C9	110	100	30	100	0.87	5	0.005	100			
143		RB298T100	NZ	-	C9	110	100	30	100	0.87	15	0.01	100			
144		RB238T100	NZ	-	C9	110	100	40	100	0.86	20	0.02	100			
145		RB088T150	NZ	-	C9	150	150	10	50	0.88	5	0.015	150			
146		RB218T150	NZ	-	C9	150	150	20	100	0.88	10	0.02	150			
147		RB228T150	NZ	-	C9	150	150	30	100	0.88	15	0.025	150			
148		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: Package is JEDEC code. () : ROHM Packages. (< >): GENERAL code. ☆: Under Development

Fast Recovery Diodes

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



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

Note: Package is JEDEC code. (): ROHM Packages. (): GENERAL code.

Small Signal/Middle Power Fast Recovery Diodes																	
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _c =25°C or T _l =25°C)				Electrical Characteristics (T _j =25°C)*1							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 (μA) Max	V _R (V)	t _{rr} (ns) Max	I _F (A)			
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	(TUMD2M)	—
4	RF05VYM1S	—	FH	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	(TUMD2SM)	—
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	(PMDU) (SOD-123FL)	—
8	RFU02VSM8S	—	—	TR	800	800	0.2	1	3	0.2	10	800	35	0.1	0.1		—
9	RFC02MM2S	—	TF	TR	200	200	0.5	10	0.95	0.5	1	200	35	0.1	0.2	(PMDTM) (SOD-128)	YES
10	RF071MM2S	—	TF	TR	200	200	0.7	15	0.85	0.7	10	200	25	0.5	1		YES
11	RF081MM2S	—	TF	TR	200	200	0.8	20	0.95	0.8	10	200	25	0.5	1	YES	
12	RF101LAM2S	—	TF	TR	200	200	1	20	0.87	1	10	200	25	0.5	1	YES	
13	RF081LAM2S	—	TF	TR	200	200	1.1	25	0.98	1	10	200	25	0.5	1	YES	
14	RF201LAM2S	—	TF	TR	200	200	2	20	0.87	2	10	200	25	0.5	1	YES	
15	RF202LAM2S	*	TF	TR	200	200	2	20	0.93	2	10	200	25	0.5	1	YES	
16	RF302LAM2S	—	TF	TR	200	200	3	20	0.92	3	10	200	25	0.5	1	YES	
17	RF071LAM4S	—	TF	TR	400	400	1	15	1.25	0.7	10	400	25	0.5	1	(PMDTM) (SOD-128)	YES
18	RF101LAM4S	—	TF	TR	400	400	1	25	1.25	1	10	400	25	0.5	1		YES
19	RF201LAM4S	—	TF	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1	YES	
20	RFN2LAM4S	—	TF	TR	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1	YES	
21	RFN1LAM6S	—	TF	TR	600	600	0.8	15	1.45	0.8	1	600	35	0.5	1	YES	
22	RFN2LAM6S	—	TF	TR	600	600	1.5	40	1.55	1.5	1	600	35	0.5	1	YES	
23	RFN1LAM7S	—	TF	TR	700	700	0.8	15	1.5	0.8	1	700	80	0.5	1	YES	
24	RF101L2S	—	DD	TE25	200	200	1	20	0.87	1	10	200	25	0.5	1	DO-214AC (PMDS) (SMA)	YES
25	RF081L2S	—	TF	TE25	200	200	1.1	25	0.98	1	10	200	25	0.5	1		YES
26	RF201L2S	—	DD	TE25	200	200	2	20	0.87	2	10	200	25	0.5	1		YES
27	RF071L4S	—	TF	TE25	400	400	1	15	1.25	0.7	10	400	25	0.5	1		YES
28	RF101L4S	—	TF	TE25	400	400	1	25	1.25	1	10	400	25	0.5	1		YES
29	RF201L4S	—	DD	TE25	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1		YES
30	RFN2L4S	—	DD	TE25	400	400	1.5	50	1.2	1.5	1	400	30	0.5	1		YES
31	RFN1L6S	—	DD	TE25	600	600	0.8	15	1.45	0.8	1	600	35	0.5	1		YES
32	RFN2L6S	—	DD	TE25	600	600	1.5	40	1.55	1.5	1	600	35	0.5	1		YES
33	RFN1L7S	—	DD	TE25	700	700	0.8	15	1.5	0.8	1	700	80	0.5	1		YES
34	RF04UA2D	*	FH	TR	200	200	0.4	1	0.98	0.2	10	200	25	0.5	1		SOT-457T (TSMD6)

*General Part No. have no grade code.
 *1 Value/Chip *2 V_{RM}=6V, I_o=10mA, I_{rr}=0.1xI_o
 Note: Package is JEDEC code. (): ROHM Packages. (): GENERAL code.

Fast Recovery Diodes

● Quick Reference for Power Fast Recovery Diodes

V _R (V)	I _O (A)	Surface Mount type			Through Hole type													
		(TO-252GE) (DPAK)	TO-252 (DPAK)	(TO-263S) (D2PAK)	(TO-220FN) <2pin>	(TO-220FN) <3pin>	(TO-220NFM)	(TO-220AC)	(TO-220ACFP)									
200	3	New RF301BGE2S RFN3BGE2S	19 20	RF301BM2S RFN3BM2S	34 35													
	5	New RF501BGE2S RFN5BGE2S	21 22	RF501BM2S RFN5BM2S	36 37													
	6	New 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	New 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	New RFN3BGE6S RF305BGE6S	24 25	RFN3BM6S RF305BM6S	39 40													
	5	New RFN5BGE6S RFN5BGE6S New RF505BGE6S RFV5BGE6S	26 27 28 29	RFN5BM6S RFN5BM6S RF505BM6S RFV5BM6S	41 42 43 44			RFN5TF6S RF505TF6S RFUH5TF6S	68 69 70			RFN5TJ6S	77					
	8	New RFV8BGE6S	30	RFV8BM6S	45						RFV8TG6S RFV8TG6S	87 88	RFV8TJ6S RFV8TJ6S	78 79				
	10	New RFN10BGE6S RFN10BGE6S	31 33	New RFN10BM6S RFN10BM6S	46 48	RFN10NS6S RFUH10NS6S	57 58		RFN10TF6S RF1005TF6S RFUH10TF6S	71 72 73			RFN10TJ6S	80				
	12										RFV12TG6S	89	RFV12TJ6S	81				
	15										RFV15TG6S	90	RFN15TJ6S RFV15TJ6S	82 83				
	20				RFN20NS6S RFUH20NS6S	59 60		RFN20TF6S RFUH20TF6S	74 75				RFN20TJ6S RFN20TJ6S RFUH20TJ6S	84 85 86				
	30										RFV30TG6S	91						
	800	5							RFN5TF8S	76								
		10				RFN10NS8D	9											

Note: Package is JEDEC code. (): ROHM Packages. (): GENERAL 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 General	Automotive	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 (μA) Max	V _R (V)	trr (ns) Max	I _F (A)	I _R (A)			
1	New RF601BGE2D	*	-	TL	200	200	6	60	0.93	3	10	200	25	0.5	1	(TO-252GE) (DPAK)		-
2	New RFN6BGE2D			TL	200	200	6	40	0.98	3	10	200	25	0.5	1			-
3	RF601BM2D	-		FH	200	200	6	60	0.93	3	10	200	25	0.5	1	TO-252 (DPAK)		YES
4	RFN6BM2D			FH	200	200	6	40	0.98	3	10	200	25	0.5	1			YES
5	RF1001NS2D			FH	200	200	10	80	0.93	5	10	200	25	0.5	1	(TO-263S) (D2PAK)		YES
6	RF1601NS2D			FH	200	200	16	100	0.93	8	10	200	30	0.5	1			YES
7	RF2001NS2D	*		FH	200	200	20	100	0.93	10	10	200	30	0.5	1			YES
8	RF2001NS3D			FH	350	300	20	100	1.3	10	10	300	25	0.5	1	(TO-263S) (D2PAK)		YES
9	RFN10NS8D			FH	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-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-252GE) (DPAK)		-
20	New RFN3BGE2S			TL	200	200	3	40	0.98	3	10	200	25	0.5	1			-
21	New RF501BGE2S			TL	200	200	5	40	0.92	5	1	200	25	0.5	1			-
22	New 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	New RF305BGE6S	*	-	TL	600	600	3	50	1.7	3	10	600	30	0.5	1			-
26	RFN5BGE6S			TL	600	600	5	50	1.3	5	10	600	60	0.5	1			-
27	New RFN5BGE6S			TL	600	600	5	30	1.55	5	10	600	50	0.5	1			-
28	New RF505BGE6S			TL	600	600	5	50	1.7	5	10	600	30	0.5	1			-
29	New RFV5BGE6S			TL	600	600	5	60	2.8	5	10	600	20	0.5	1			-
30	New RFV8BGE6S			TL	600	600	8	100	2.8	8	10	600	25	0.5	1			-
31	New RFN10BGE6S			TL	600	600	10	100	1.25 1.3	8 10	10	600	65	0.5	1			-
32	New RFN10BGE3S	*	-	TL	350	350	10	80	1.5	10	10	350	30	0.5	1		-	
33	New RFN10BGE6S			TL	600	600	10	100	1.55	10	10	600	50	0.5	1		-	
34	RF301BM2S			FH	200	200	3	40	0.93	3	10	200	25	0.5	1	TO-252 (DPAK)		YES
35	RFN3BM2S			FH	200	200	3	40	0.98	3	10	200	25	0.5	1			YES
36	RF501BM2S			FH	200	200	5	40	0.92	5	1	200	25	0.5	1			YES
37	RFN5BM2S			FH	200	200	5	40	0.98	5	10	200	25	0.5	1			YES
38	RFN5BM3S			FH	350	350	5	50	1.5	5	10	350	30	0.5	1			YES
39	RFN3BM6S			FH	600	600	3	20	1.55	3	10	600	30	0.5	1			YES
40	RF305BM6S			FH	600	600	3	50	1.7	3	10	600	30	0.5	1			YES
41	RFN5BM6S			FH	600	600	5	50	1.3	5	10	600	60	0.5	1			YES
42	RFN5BM6S			FH	600	600	5	30	1.55	5	10	600	50	0.5	1			YES
43	RF505BM6S			FH	600	600	5	50	1.7	5	10	600	30	0.5	1			YES
44	RFV5BM6S			FH	600	600	5	60	2.8	5	10	600	20	0.5	1			YES
45	RFV8BM6S			FH	600	600	8	100	2.8	8	10	600	25	0.5	1			YES
46	New RFN10BM6S			FH	600	600	10	100	1.25 1.3	8 10	10	600	65	0.5	1			YES
47	RFN10BM3S	-		FH	350	350	10	80	1.5	10	10	350	30	0.5	1	(TO-263S) (D2PAK)		YES
48	RFN10BM6S			FH	600	600	10	100	1.55	10	10	600	50	0.5	1			YES
49	RFN10NS3S			FH	350	350	10	100	1.5	10	10	350	30	0.5	1			YES
50	RFN20NS3S			FH	350	350	20	100	1.35	20	10	350	35	0.5	1			YES
51	RFUH25NS3S			FH	350	350	20	100	1.45	20	10	350	30	0.5	1			YES
52	RFUH20NS3S			FH	350	350	20	100	1.5	20	10	350	25	0.5	1			YES
53	RFN10NS4S			FH	430	430	10	80	1.55	10	10	430	30	0.5	1			YES
54	RFUH10NS4S	*		FH	430	430	10	80	1.7	10	10	430	25	0.5	1			YES
55	RFN20NS4S			FH	430	430	20	100	1.55	20	10	430	30	0.5	1			YES
56	RFUH20NS4S			FH	430	430	20	100	1.7	20	10	430	25	0.5	1			YES
57	RFN10NS6S			FH	600	600	10	100	1.55	10	10	600	50	0.5	1			YES
58	RFUH10NS6S			FH	600	600	10	60	2.8	10	10	600	25	0.5	1	YES		
59	RFN20NS6S			FH	600	600	20	100	1.55	20	10	600	60	0.5	1	YES		
60	RFUH20NS6S			FH	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: Package is JEDEC code. (): ROHM Packages. < >: GENERAL code.

Fast Recovery Diodes

Fast Recovery Diodes

Example: **R F U H 2 5 T B 3 S N Z C 9**
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)							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, 1ms	V _F (V) Max	I _F (A)	I _R (μA) Max	V _R (V)	t _{rr} (ns) Max	I _F (A)				I _R (A)
61	RFUH25TB3S	NZ	—	C9	350	350	20	100	1.45	20	10	350	30	0.5	1	(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-220NFM)		YES
68	RFN5TF6S		FH	C9	600	600	5	30	1.55	5	10	600	50	0.5	1			YES
69	RF505TF6S		FH	C9	600	600	5	80	1.7	5	10	600	30	0.5	1			YES
70	RFUH5TF6S		FH	C9	600	600	5	30	2.8	5	10	600	25	0.5	1			YES
71	RFN10TF6S		FH	C9	600	600	10	100	1.55	10	10	600	50	0.5	1			YES
72	RF1005TF6S		FH	C9	600	600	10	100	1.7	10	10	600	40	0.5	1			YES
73	RFUH10TF6S		FH	C9	600	600	10	60	2.8	10	10	600	25	0.5	1			YES
74	RFN20TF6S		FH	C9	600	600	20	100	1.55	20	10	600	60	0.5	1			YES
75	RFUH20TF6S		FH	C9	600	600	20	100	2.8	20	10	600	35	0.5	1			YES
76	RFN5TF8S		FH	C9	800	800	5	60	2.1	5	10	800	40	0.5	1			YES
77	RFNLTJ6S	G	FHG	C9	600	600	5	50	1.3	5	10	600	60	0.5	1	(TO-220ACFP)		YES
78	RFVS8TJ6S	G	—	C9	600	600	8	60	3	8	10	600	20	0.5	1			—
79	RFV8TJ6S	G	—	C9	600	600	8	100	2.8	8	10	600	25	0.5	1			—
80	RFNL10TJ6S	G	FHG	C9	600	600	10	120	1.25	8	10	600	65	0.5	1			YES
									1.3	10								
81	RFV12TJ6S	G	—	C9	600	600	12	120	2.8	12	10	600	25	0.5	1			—
82	RFNL15TJ6S	G	FHG	C9	600	600	15	160	1.3	15	10	600	65	0.5	1			YES
83	RFV15TJ6S	G	—	C9	600	600	15	150	2.8	15	10	600	30	0.5	1			—
84	RFNL20TJ6S	G	FHG	C9	600	600	20	200	1.3	20	10	600	70	0.5	1			YES
85	RFN20TJ6S	G	FHG	C9	600	600	20	150	1.55	20	10	600	60	0.5	1			YES
86	RFUH20TJ6S	G	FHG	C9	600	600	20	120	2.8	20	10	600	35	0.5	1	YES		
87	RFVS8TG6S	G	—	C9	600	600	8	60	3	8	10	600	20	0.5	1	(TO-220AC)		—
88	RFV8TG6S	G	—	C9	600	600	8	100	2.8	8	10	600	25	0.5	1			—
89	RFV12TG6S	G	—	C9	600	600	12	120	2.8	12	10	600	25	0.5	1			—
90	RFV15TG6S	G	—	C9	600	600	15	150	2.8	15	10	600	30	0.5	1			—
91	RFV30TG6S	G	—	C9	600	600	30	200	2.8	30	10	600	40	0.5	1			—

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages. () : GENERAL code.




Rectifier Diodes

Rectifier Diodes
 Example: **RR1VWM4S** **TF** **TR**
Part No. Grade Code Taping Code

Quick Reference for Rectifier Diodes

	V_R (V)	I_O (A)	Surface Mount type					Through Hole type	
			2513 size (PMDE)	2514 size (TUMD2SM)	3516 size (PMDU) (SOD-123FL)	4725 size (PMDTM) (SOD-128)	TO-252 (DPAK)	(TO-220ACFP)	
General Purpose Rectifier Diodes	400	0.2		RRE02VSM4S RRE02VTM4S	3 4				
		0.7		RRE07VSM4S RRE07VTM4S	5 6	RRD07MM4S RR264MM-400	11 12		
		1	RR1VWM4S	1		RR268MM-600	13	RR1LAM4S	14
		2						RR2LAM4S	15
	600	0.2		RRE02VSM6S RRE02VTM6S	7 8				
		0.7		RRE07VSM6S RRE07VTM6S	9 10				
1		RR1VWM6S	2				RR1LAM6S	16	
Power Rectifier Diodes	400	6						RR601BM4S	18
	1,000	20							RRD20TJ10S

Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

General Purpose Rectifier Diodes																			
Quick Reference No.	Product No.			Absolute Maximum Ratings (T _C =25°C or T _I =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, 1ms	V _F (V) Max	I _F (A)	I _R (μA) Max	V _{RR} (V)	t _{trr} (ns) Max	I _F (mA)				I _R (mA)	
1	RR1VWM4S			TF	TR	400	400	1	15	1.2	1	10	400	—	—	—		YES	
2	RR1VWM6S	*		TF	TR	600	600	1	15	1.2	1	10	600	—	—	—		(PMDE)	YES
3	RRE02VSM4S			—	TR	400	400	0.2	1	1.1	0.2	1	400	—	—	—		(TUMD2SM)	—
4	RRE02VTM4S	—		FH	TR	400	400	0.2	1	1.1	0.2	1	400	—	—	—			YES
5	RRE07VSM4S	*		—	TR	400	400	0.7	2	1.1	0.7	1	400	—	—	—			—
6	RRE07VTM4S	—		FH	TR	400	400	0.7	2	1.1	0.7	1	400	—	—	—			YES
7	RRE02VSM6S	*		—	TR	600	600	0.2	1	1.1	0.2	1	600	—	—	—			—
8	RRE02VTM6S	—		FH	TR	600	600	0.2	1	1.1	0.2	1	600	—	—	—			YES
9	RRE07VSM6S	*		—	TR	600	600	0.7	2	1.1	0.7	1	600	—	—	—			—
10	RRE07VTM6S	—		FH	TR	600	600	0.7	2	1.1	0.7	1	600	—	—	—			YES
11	RRD07MM4S			—	TR	400	400	0.7	150*1	0.98	0.7	1	400	—	—	—		(PMDU) (SOD-123FL)	—
12	RR264MM-400			TF	TR	400	400	0.7	25	1.1	0.7	10	400	—	—	—			YES
13	RR268MM-600			TF	TR	600	400	1	25	0.98	1	10	400	—	—	—			YES
14	RR1LAM4S	*		TF	TR	500	400	1	30	1.1	1	10	400	—	—	—		(PMDTM) (SOD-128)	YES
15	RR2LAM4S			TF	TR	400	400	2	50	1.1	2	10	400	—	—	—			YES
16	RR1LAM6S			TF	TR	750	600	1	30	1.1	1	10	600	—	—	—			YES
17	RR2LAM6S			TF	TR	600	600	2	50	1.1	2	10	600	—	—	—			YES
Power Rectifier Diodes																			
18	RR601BM4S	*		FH	TL	400	400	6	40	1.1	6	10	400	—	—	—	TO-252 (DPAK)		YES
19	RRD20TJ10S	G		—	C9	1,000	1,000	20	200	1.05	20	10	1,000	—	—	—	(TO-220ACFP)		—

*General Part No. have no grade code.
 *1 I_{FSM} (guaranteed): Charged waveform, t=500μs (1/2peak), 1pulse/4s, Rth<80°C/W
 Note: Package is JEDEC code. (): ROHM Packages. (<): GENERAL code.

Zener Diodes

Example:

Y	D	Z	V	F	H	T	R	1	3
Part No.			Grade Code			Taping Code		Zener Voltage	

Zener Diodes 2

Surface Mount type																
Package	2514 size (TUMD2M)			2514 size (TUMD2M)			2924 size SOT-23 (SSD3)			2924 size SOT-23 (SSD3)						
Equivalent Circuit Diagram																
Series Name	TDZV series			YZZV series			New BZX84BxxLY series			New 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	-	-	-	-	-	-	-	-	-	2V4	2.20 to 2.60	5	YES			
	-	-	-	-	-	-	-	-	-	2V7	2.50 to 2.90	5	YES			
	-	-	-	-	-	-	-	-	-	3V0	2.80 to 3.20	5	YES			
	-	-	-	-	-	-	-	-	-	3V3	3.10 to 3.50	5	YES			
	-	-	-	-	-	-	-	-	-	3V6	3.40 to 3.80	5	YES			
	-	-	-	-	-	-	-	-	-	3V9	3.70 to 4.10	5	YES			
	-	-	-	-	-	-	-	-	-	4V3	4.00 to 4.60	5	YES			
	-	-	-	-	-	-	-	-	-	4V7	4.40 to 5.00	5	YES			
	5.1	4.60 to 5.60	10	-	-	-	-	5V1	5.00 to 5.20	5	YES	5V1	4.80 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	10	-	22	19.80 to 24.20	10	YES	22V	21.60 to 22.40	5	YES	22V	20.80 to 23.30	5	YES
	24	21.60 to 26.40	10	-	24	21.60 to 26.40	10	YES	24V	23.50 to 24.50	5	YES	24V	22.80 to 25.60	5	YES
	27	24.30 to 29.70	10	-	27	24.30 to 29.70	10	YES	27V	26.50 to 27.50	2	YES	27V	25.10 to 28.90	2	YES
	30	27.00 to 33.00	10	-	-	-	-	-	30V	29.40 to 30.60	2	YES	30V	28.00 to 32.00	2	YES
	-	-	-	-	-	-	-	-	33V	32.30 to 33.70	2	YES	33V	31.00 to 35.00	2	YES
	-	-	-	-	-	-	-	-	36V	35.30 to 36.70	2	YES	36V	34.00 to 38.00	2	YES

Surface Mount type																
Package	3516 size (PMDU) (SOD-123FL)			3516 size (PMDU) (SOD-123FL)			4725 size (PMDTM) (SOD-128)			5026 size DO-214AC (PMDS) (SMA)						
Equivalent Circuit Diagram																
Series Name	KDZV series			KDZLV series			PDZV series			PTZ series*						
Automotive Grade Code	TF			TF			TF			TF						
Power (mW)	1,000			1,000			1,000			1,000						
Taping Code	TR			TR			TR			TE25						
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	2.0B	2.00 to 2.24	40	YES	51	48 to 54	2	YES	2.0B	2.00 to 2.24	40	YES	2.0B	2.00 to 2.24	40	YES
	2.2B	2.20 to 2.45	40	YES	56	53 to 60	2	YES	2.2B	2.20 to 2.45	40	YES	2.2B	2.20 to 2.45	40	YES
	2.4B	2.40 to 2.70	40	YES	62	58 to 66	2	YES	2.4B	2.40 to 2.70	40	YES	2.4B	2.40 to 2.70	40	YES
	2.7B	2.70 to 3.10	40	YES	68	64 to 72	2	YES	2.7B	2.70 to 3.10	40	YES	2.7B	2.70 to 3.10	40	YES
	3.0B	3.00 to 3.40	40	YES	75	70 to 79	2	YES	3.0B	3.00 to 3.40	40	YES	3.0B	3.00 to 3.40	40	YES
	3.3B	3.30 to 3.70	40	YES	82	77 to 87	2	YES	3.3B	3.30 to 3.70	40	YES	3.3B	3.30 to 3.70	40	YES
	3.6B	3.60 to 4.00	40	YES	91	85 to 96	2	YES	3.6B	3.60 to 4.00	40	YES	3.6B	3.60 to 4.00	40	YES
	3.9B	3.90 to 4.40	40	YES	100	94 to 106	2	YES	3.9B	3.90 to 4.40	40	YES	3.9B	3.90 to 4.40	40	YES
	4.3B	4.30 to 4.80	40	YES	110	104 to 116	2	YES	4.3B	4.30 to 4.80	40	YES	4.3B	4.30 to 4.80	40	YES
	4.7B	4.70 to 5.20	40	YES	120	114 to 126	2	YES	4.7B	4.70 to 5.20	40	YES	4.7B	4.70 to 5.20	40	YES
	5.1B	5.10 to 5.70	40	YES	130	122 to 138	2	YES	5.1B	5.10 to 5.70	40	YES	5.1B	5.10 to 5.70	40	YES
	5.6B	5.60 to 6.30	40	YES	150	140 to 160	2	YES	5.6B	5.60 to 6.30	40	YES	5.6B	5.60 to 6.30	40	YES
	6.2B	6.20 to 7.00	40	YES	-	-	-	-	6.2B	6.20 to 7.00	40	YES	6.2B	6.20 to 7.00	40	YES
	6.8B	6.80 to 7.70	40	YES	-	-	-	-	6.8B	6.80 to 7.70	40	YES	6.8B	6.80 to 7.70	40	YES
	7.5B	7.50 to 8.40	40	YES	-	-	-	-	7.5B	7.50 to 8.40	40	YES	7.5B	7.50 to 8.40	40	YES
	8.2B	8.20 to 9.30	40	YES	-	-	-	-	8.2B	8.20 to 9.30	40	YES	8.2B	8.20 to 9.30	40	YES
	9.1B	9.10 to 10.20	40	YES	-	-	-	-	9.1B	9.10 to 10.20	40	YES	9.1B	9.10 to 10.20	40	YES
	10B	10.00 to 11.20	40	YES	-	-	-	-	10B	10.00 to 11.20	40	YES	10B	10.00 to 11.20	40	YES
	11B	11.00 to 12.30	20	YES	-	-	-	-	11B	11.00 to 12.30	20	YES	11B	11.00 to 12.30	20	YES
	12B	12.00 to 13.50	20	YES	-	-	-	-	12B	12.00 to 13.50	20	YES	12B	12.00 to 13.50	20	YES
	13B	13.30 to 15.00	20	YES	-	-	-	-	13B	13.30 to 15.00	20	YES	13B	13.30 to 15.00	20	YES
	15B	14.70 to 16.50	20	YES	-	-	-	-	15B	14.70 to 16.50	20	YES	15B	14.70 to 16.50	20	YES
	16B	16.20 to 18.30	20	YES	-	-	-	-	16B	16.20 to 18.30	20	YES	16B	16.20 to 18.30	20	YES
	18B	18.00 to 20.30	20	YES	-	-	-	-	18B	18.00 to 20.30	20	YES	18B	18.00 to 20.30	20	YES
	20B	20.00 to 22.40	20	YES	-	-	-	-	20B	20.00 to 22.40	20	YES	20B	20.00 to 22.40	20	YES
	22B	22.00 to 24.50	10	YES	-	-	-	-	22B	22.00 to 24.50	10	YES	22B	22.00 to 24.50	10	YES
	24B	24.00 to 27.60	10	YES	-	-	-	-	24B	24.00 to 27.60	10	YES	24B	24.00 to 27.60	10	YES
	27B	27.00 to 30.80	10	YES	-	-	-	-	27B	27.00 to 30.80	10	YES	27B	27.00 to 30.80	10	YES
	30B	30.00 to 34.00	10	YES	-	-	-	-	30B	30.00 to 34.00	10	YES	30B	30.00 to 34.00	10	YES
	33B	33.00 to 37.00	10	YES	-	-	-	-	33B	33.00 to 37.00	10	YES	33B	33.00 to 37.00	10	YES
	36B	36.00 to 40.00	10	YES	-	-	-	-	36B	36.00 to 40.00	10	YES	36B	36.00 to 40.00	10	YES
	39A	37.00 to 44.00	10	YES	-	-	-	-	-	-	-	-	-	-	-	-
	43A	40.00 to 46.00	10	YES	-	-	-	-	-	-	-	-	-	-	-	-
	47A	44.00 to 50.00	2	YES	-	-	-	-	-	-	-	-	-	-	-	-

*Only Automotive Grade
Note1: This table shows available voltages.
Note2: Package is JEDEC code. () : ROHM Packages. () : GENERAL code.

Quick Reference for Protection Devices [2 to 4 Elements]

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 _Z (V)	I _Z (mA)			
	General	Automotive							
New UMZ6.8NFM	*	FH	T106	200	6.47 to 7.14	5	SOT-323 (UMD3)		YES
New UMZ12NFM		FH	T106	200	11.00 to 13.00	5			YES
New UMZ16NFM		FH	T106	200	15.85 to 16.51	5			YES
New UMZ18NFM		FH	T106	200	17.56 to 18.53	5			YES
New UMZ27NFM		FH	T106	200	26.19 to 27.35	5			YES
New UMZ30NFM		FH	T106	200	29.19 to 30.69	5			YES
New UMZ36NFM		FH	T106	200	35.07 to 36.87	5			YES

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

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 _D (mW)	V _Z (V)	I _Z (mA)	C _t (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			—
New UMZC6.8NFM		FH	T106	200	6.47 to 7.14	5	3	1	0	SOT-323 (UMD3)		YES
New UMZU6.2NFM		FH	T106	200	5.90 to 6.50	5	8	1	0			YES

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

Bi-Directional Zener Diode

Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		Peak Pulse Power (W) (tp=10×1,000μs)	C _t (pF) Typ	f (MHz)	V _R (V)	Remarks	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code		Taping Code	P _D (mW)	V _Z (V)	I _Z (mA)								
	General	Automotive												
RSB6.8CM	*	—	T2N	100	5.78 to 7.82	1	10	15	1	0	IEC61000-4-2, 150pF, 330Ω Contact 8kV, Air 15kV	SOD-923 (VMN2M)		—

*General Part No. have no grade code.
 *1 (3) pin must be open when using.
 Note: Package is JEDEC code. (): ROHM Packages.

Ultra Low Capacitance Bi-Directional Zener Diode

Product No.				Absolute Maximum Ratings (T _a =25°C)	Electrical Characteristics (T _a =25°C)		C _t (pF) Typ	f (MHz)	V _R (V)	Package	Equivalent Circuit Diagram	Automotive Grade AEC-Q101
Part No.	Grade Code		Taping Code	P _D (mW)	V _Z (V)	I _Z (mA)						
	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: Package is JEDEC code. (): 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		
	DSN0603-2 (SMD0603B)	DSN1006-2 (SMD1006)	SOT-23 (SSD3)	(PMDE)	(PMDU) (SOD-123FL)	(PMDTM) (SOD-128)	TO-252 (DPAK)	(TO-263S) (D2PAK)
3.0			New MMBZ5V6ALY 6 New MMBZ6V2ALY 7					
4.5			New MMBZ6V8ALY 8					
5.0					New VS5V0UA1VWM 22	SMF5V0 31	VS5V0UA1LAM 54	
6.0			New MMBZ9V1ALY 9			SMF6V0 32	VS6V0UA1LAM 55	
6.3		New VS6V3UC1QS 5						
6.5			New MMBZ10VALY 10			SMF6V5 33		
7.0	New VS7V0UD1HS 1					SMF7V0 34	VS7V0UA1LAM 56	
7.5						SMF7V5 35		
8.0						SMF8V0 36	VS8V0UA1LAM 57	
8.5			New MMBZ12VALY 11					
9.0	New VS9V0UD1HS 2					SMF9V0 37	VS9V0UA1LAM 58	
10.0						SMF10V 38	VS10VUA1LAM 59	
11.0						SMF11V 39	VS11VUA1LAM 60	
12.0	New VS12V0UD1HS 3		New MMBZ15VALY 12			SMF12V 40	VS12VUA1LAM 61	
13.0			New MMBZ16VALY 13	New VS13VUA1VWM 23		SMF13V 41	VS13VUA1LAM 62	
14.0						SMF14V 42	VS14VUA1LAM 63	
14.5			New MMBZ18VALY 14					
15.0	New VS15V0UD1HS 4					SMF15V 43	VS15VUA1LAM 64	
16.0					New VS16VUA1VWM 24	SMF16V 44	VS16VUA1LAM 65	
17.0			New MMBZ20VALY 15	New VS17VUA1VWM 25		SMF17V 45	VS17VUA1LAM 66	
18.0				New VS18VUA1VWM 26		SMF18V 46	VS18VUA1LAM 67	
20.0			New MMBZ24VALY 16	New VS20VUA1VWM 27		SMF20V 47	VS20VUA1LAM 68	
22.0			New MMBZ27VALY 17 New MMBZ27VCLY 21			SMF22V 48	VS22VUA1LAM 69	New RSDT27BM 74 RSDT27NS 76
24.0			New MMBZ30VALY 18	New VS24VUA1VWM 28		SMF24V 49	VS24VUA1LAM 70	New RSDT30BM 75 RSDT30NS 77
26.0			New MMBZ33VALY 19	New VS26VUA1VWM 29		SMF26V 50	VS26VUA1LAM 71	
28.0			New MMBZ36VALY 20			SMF28V 51	VS28VUA1LAM 72	
30.0						SMF30V 52	VS30VUA1LAM 73	
33.0				New VS33VUA1VWM 30		SMF33V 53		

Note: Package is JEDEC code. () : 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)	(SMD2012)	SOT-23 (SSD3)
3.3	RAS MID™ ☆ VS3V3BA1FS 78 RAS MID™ ☆ VS3V3BB1FS 79 RAS MID™ ☆ VS3V3BT1FS 80	RAS MID™ VS3V3BA1ES 84 RAS MID™ VS3V3BB1ES 85	RAS MID™ VS3V3BC1HS 83 RAS MID™ VS3V3BL1HS 96 New VS3V3BN1HS 97			
4.5				New VS4V5BU1QS 90		
4.8					RAS MID™ VS4V8BU1AR 91	
5.0	RAS MID™ ☆ VS5V0BA1FS 81 RAS MID™ ☆ VS5V0BB1FS 82	RAS MID™ VS5V0BA1ES 86 RAS MID™ VS5V0BB1ES 87 RAS MID™ VS5V0BC1ES 88	RAS MID™ VS5V0BL1HS 98 RAS MID™ VS5V0BN1HS 99	New VS5V0BL1QS 100		
12.0			RAS MID™ VS12VBA1HS 89			New ESD16VHY 92
16.0						New ESD18VHY 93
24.0						New ESD27VHY 94 New RESD1CANY 95

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☆: Under Development

Note: Package is JEDEC code. () : 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 _c =25°C)		Electrical Characteristics (T _c =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	New VS7V0UD1HS	—	—	T15R	7.0	100	7.20 to 9.00	1	126 (8/20μs)	DSN0603-2 (SMD0603B)		—			
2	New VS9V0UD1HS	—	—	T15R	9.0	100	9.60 to 11.80	1	128 (8/20μs)			—			
3	New VS12V0UD1HS	—	—	T15R	12.0	100	12.20 to 13.80	1	129 (8/20μs)			—			
4	New VS15V0UD1HS	—	—	T15R	15.0	100	15.30 to 16.90	1	135 (8/20μs)			—			
5	New VS6V3UC1QS	—	—	T18R	6.3	200	6.70 to 7.70	1	660 (8/20μs)	DSN1006-2 (SMD1006)		—			
6	New MMBZ5V6ALY	FH	—	T116	3.0	225	5.32 to 5.88	20	24	SOT-23 (SSD3)			YES		
7	New MMBZ6V2ALY	FH	—	T116	3.0	225	5.89 to 6.51	1	24				YES		
8	New MMBZ6V8ALY	FH	—	T116	4.5	225	6.46 to 7.14	1	24				YES		
9	New MMBZ9V1ALY	FH	—	T116	6.0	225	8.65 to 9.56	1	24		YES				
10	New MMBZ10VALY	FH	—	T116	6.5	225	9.50 to 10.50	1	24		YES				
11	New MMBZ12VALY	FH	—	T116	8.5	225	11.40 to 12.60	1	40		YES				
12	New MMBZ15VALY	FH	—	T116	12.0	225	14.25 to 15.75	1	40		YES				
13	New MMBZ16VALY	FH	—	T116	13.0	225	15.20 to 16.80	1	40		YES				
14	New MMBZ18VALY	FH	—	T116	14.5	225	17.10 to 18.90	1	40		YES				
15	New MMBZ20VALY	FH	—	T116	17.0	225	19.00 to 21.00	1	40		YES				
16	New MMBZ24VALY	FH	—	T116	20.0	225	22.80 to 25.20	1	40		YES				
17	New MMBZ27VALY	FH	—	T116	22.0	225	25.65 to 28.35	1	40		YES				
18	New MMBZ30VALY	FH	—	T116	24.0	225	28.50 to 31.50	1	40		YES				
19	New MMBZ33VALY	FH	—	T116	26.0	225	31.35 to 34.65	1	40		YES				
20	New MMBZ36VALY	FH	—	T116	28.0	225	34.20 to 37.80	1	40		YES				
21	New MMBZ27VCLY	FH	—	T116	22.0	225	25.65 to 28.35	1	40				YES		
22	New VS5V0UA1VWM	TF	TR	5	1,000	6.40 to 7.20	40	200	(PMDE)					YES	
23	New VS13VUA1VWM	TF	TR	13.0	1,000	14.7 to 16.5	20	200			YES				
24	New VS16VUA1VWM	TF	TR	16.0	1,000	18.0 to 20.3	20	200			YES				
25	New VS17VUA1VWM	TF	TR	17.0	1,000	18.8 to 21.2	20	200			YES				
26	New VS18VUA1VWM	TF	TR	18.0	1,000	20.0 to 22.4	20	200		YES					
27	New VS20VUA1VWM	TF	TR	20.0	1,000	22.0 to 24.5	10	200		YES					
28	New VS24VUA1VWM	TF	TR	24.0	1,000	27.0 to 30.8	10	200		YES					
29	New VS26VUA1VWM	TF	TR	26.0	1,000	30.0 to 34.0	10	200		YES					
30	New VS33VUA1VWM	TF	TR	33.0	1,000	36.0 to 40.0	10	200		YES					
31	SMF5V0	TF	TR	5.0	1,000	6.40 or more	40	200		YES					
32	SMF6V0	TF	TR	6.0	1,000	6.67 or more	40	200		YES					
33	SMF6V5	TF	TR	6.5	1,000	7.22 or more	40	200		YES					
34	SMF7V0	TF	TR	7.0	1,000	7.78 or more	40	200		YES					
35	SMF7V5	TF	TR	7.5	1,000	8.33 or more	40	200		YES					
36	SMF8V0	TF	TR	8.0	1,000	8.89 or more	40	200		YES					
37	SMF9V0	TF	TR	9.0	1,000	10.0 or more	40	200		YES					
38	SMF10V	TF	TR	10.0	1,000	11.1 or more	20	200		YES					
39	SMF11V	TF	TR	11.0	1,000	12.2 or more	20	200		YES					
40	SMF12V	TF	TR	12.0	1,000	13.3 or more	20	200		YES					
41	SMF13V	TF	TR	13.0	1,000	14.4 or more	20	200		YES					
42	SMF14V	TF	TR	14.0	1,000	15.6 or more	20	200		YES					
43	SMF15V	TF	TR	15.0	1,000	16.7 or more	20	200		YES					
44	SMF16V	TF	TR	16.0	1,000	17.2 or more	20	200		YES					
45	SMF17V	TF	TR	17.0	1,000	18.9 or more	20	200		YES					
46	SMF18V	TF	TR	18.0	1,000	20.0 or more	20	200		YES					
47	SMF20V	TF	TR	20.0	1,000	22.2 or more	10	200		YES					
48	SMF22V	TF	TR	22.0	1,000	24.4 or more	10	200		YES					
49	SMF24V	TF	TR	24.0	1,000	26.7 or more	10	200		YES					
50	SMF26V	TF	TR	26.0	1,000	28.9 or more	10	200		YES					
51	SMF28V	TF	TR	28.0	1,000	31.1 or more	10	200		YES					
52	SMF30V	TF	TR	30.0	1,000	33.3 or more	10	200	YES						
53	SMF33V	TF	TR	33.0	1,000	36.7 or more	10	200	YES						
54	VS5V0UA1LAM	TF	TR	5.0	—	6.45 to 7.14	10	600	YES						
55	VS6V0UA1LAM	TF	TR	6.0	—	6.67 to 7.37	10	600	YES						
56	VS7V0UA1LAM	TF	TR	7.0	—	7.78 to 8.60	10	600	YES						
57	VS8V0UA1LAM	TF	TR	8.0	—	8.89 to 9.83	1	600	YES						
58	VS9V0UA1LAM	TF	TR	9.0	—	10.0 to 11.1	1	600	YES						
59	VS10VUA1LAM	TF	TR	10.0	—	11.1 to 12.3	1	600	YES						
60	VS11VUA1LAM	TF	TR	11.0	—	12.2 to 13.5	1	600	YES						
61	VS12VUA1LAM	TF	TR	12.0	—	13.3 to 14.7	1	600	YES						
62	VS13VUA1LAM	TF	TR	13.0	—	14.4 to 15.9	1	600	YES						
63	VS14VUA1LAM	TF	TR	14.0	—	15.6 to 17.2	1	600	YES						
64	VS15VUA1LAM	TF	TR	15.0	—	16.7 to 18.5	1	600	YES						
65	VS16VUA1LAM	TF	TR	16.0	—	17.8 to 19.7	1	600	YES						
66	VS17VUA1LAM	TF	TR	17.0	—	18.9 to 20.9	1	600	YES						
67	VS18VUA1LAM	TF	TR	18.0	—	20.0 to 22.1	1	600	YES						
68	VS20VUA1LAM	TF	TR	20.0	—	22.2 to 24.5	1	600	YES						
69	VS22VUA1LAM	TF	TR	22.0	—	24.4 to 26.9	1	600	YES						
70	VS24VUA1LAM	TF	TR	24.0	—	26.7 to 29.5	1	600	YES						
71	VS26VUA1LAM	TF	TR	26.0	—	28.9 to 31.9	1	600	YES						
72	VS28VUA1LAM	TF	TR	28.0	—	31.1 to 34.4	1	600	YES						
73	VS30VUA1LAM	TF	TR	30.0	—	33.3 to 36.8	1	600	YES						
74	New RSDT27BM	—	—	FH	TL	22.0	2,500	24.0 to 30.0	10	2,500	TO-252 (DPAK)		YES		
75	New RSDT30BM	—	—	FH	TL	24.0	2,500	27.0 to 33.0	10	2,500	TO-252 (DPAK)		YES		
76	RSDT27NS	*	—	FH	TL	22.0	5,000	24.0 to 30.0	10	3,600	(TO-263S)		YES		
77	RSDT30NS	—	—	FH	TL	24.0	5,000	27.0 to 33.0	10	3,600	(D2PAK)		YES		

*General Part No. have no grade code.
 Note: Package is JEDEC code. () : ROHM Packages. (<) : GENERAL code.

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) (t _p =8/20μs)	Ct (pF)			Package	Equivalent Circuit Diagram
	Part No.	Grade Code			P _D (mW)	V _{BR} (V)	I _Z (mA)		f (MHz)	V _R (V)			
		General	Automotive	Taping Code									
78	RASMID™ ☆VS3V3BA1FS	—	T27N	100	4.0 or more	1	26.5	6	1	0	DSN0402-2 (SMD0402)		
79	RASMID™ ☆VS3V3BB1FS	—	T27N	100	4.0 or more	1	38	10	1	0			
80	RASMID™ ☆VS3V3BT1FS	—	T27N	100	4.0 or more	1	21	4.7	1	0			
81	RASMID™ ☆VS5V0BA1FS	—	T27N	100	5.3 or more	1	26.5	6	1	0			
82	RASMID™ ☆VS5V0BB1FS	—	T27N	100	5.3 or more	1	45	10	1	0			
83	RASMID™ VS3V3BC1HS	—	T15R	100	4.0 to	1	70	18	1	0	DSN0603-2 (SMD0603B)		
84	RASMID™ VS3V3BA1ES	—	T15R	100	4.0 to	1	28	6	1	0			
85	RASMID™ VS3V3BB1ES	—	T15R	100	4.0 to	1	45	10	1	0			
86	RASMID™ VS5V0BA1ES	—	T15R	100	6.0 to 8.0	1	10	5	1	0			
87	RASMID™ VS5V0BB1ES	—	T15R	100	6.0 to 9.0	1	25	7	1	0			
88	RASMID™ VS5V0BC1ES	—	T15R	100	6.0 to 9.0	1	60	15	1	0			
89	RASMID™ VS12VBA1HS	—	T15R	100	12.5 to 15.0	1	70	7	1	0			
90	New RASMID™ VS4V5BU1QS	—	T18R	200	5.3 to 6.5	1	600	100	1	0			
91	RASMID™ VS4V8BU1AR	—	T7R	—	4.85 to 6.00	1	1,100	480	1	0			
92	New ESD16VHY	FH	T116	225	15.96 to 17.64	1	100	13 (Typ)	1	0	SOT-23 (SSD3)		
93	New ESD18VHY	FH	T116	225	17.86 to 19.74	1	100	12 (Typ)	1	0			
94	New ESD27VHY	FH	T116	225	26.41 to 29.19	1	100	8 (Typ)	1	0			
95	New RESD1CANY	FH	T116	225	26.20 to 32.00	1	350	30 (Max)	1	0			

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)			Package	Equivalent Circuit Diagram
	Part No.	Grade Code			P _D (mW)	V _{BR} (V)	I _Z (mA)		f (MHz)	V _R (V)			
		General	Automotive	Taping Code									
96	New RASMID™ VS3V3BL1HS	—	T15R	100	6.00 to 10.00	1	IEC61000-4-2, 150pF, 330Ω, Contact 11kV, Air 15kV	0.34	1	0	DSN0603-2 (SMD0603B)		
97	New RASMID™ VS3V3BN1HS	—	T15R	100	6.00 to 10.00	1		0.5	1	0			
98	RASMID™ VS5V0BL1HS	—	T15R	100	6.00 to 10.00	1		0.25	1	0			
99	RASMID™ VS5V0BN1HS	—	T15R	100	6.00 to 10.00	1		0.5	1	0			
100	New RASMID™ VS5V0BL1QS	—	T18R	200	7.00 or more	1		0.8	1	0	DSN01006-2 (SMD1006)		

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 ☆: Under Development
 *General Part No. have no grade code.
 Note: Package is JEDEC code. (): ROHM Packages.

Switching Diodes

● Quick Reference for Switching Diodes

V _R (V)	Surface Mount type							
	1006 size	1608 size	1212 size	1616 size	2120 size	2512 size	2924 size	
20			New DA221ZM	DA221WM				
80	1SS400CM	1SS400SM	New DAN222ZM New DAP222ZM	DAN222WM DAP222WM DAN217WM DA228WM	DAN202UM DAP202UM DAN217UM DA204UM DA228UM BAW156UM BAV199UM	New DAN202FM New DAP202FM New BAV99FM New BAV199FM	1SS355VM 1SS380VM	New BAS16HY New BAV70HY New BAW56HY New BAV99HY New BAW156HY New BAV199HY New BAS116HY New BAV170HY
200							BAS21VM	New BAS21HY

Note: Package is JEDEC code. () : ROHM Packages.

Switching Diodes

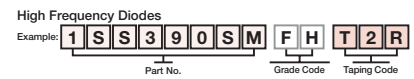
Switching Diodes



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 _{AM} (V)	V _R (V)	I _{FM} (mA)	I _O (mA)	I _{surge} (mA)	V _F (V) Max	I _F (mA)	I _n (μA) Max	V _R (V)	t _{tr} (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)		—
1SS355VM	FH	TE-17	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-323FL (UMD2)		YES
1SS400SM	FH	T2R	90	80	225	100	500 (1s)	1.2	100	0.1	80	4	6	10	SOD-523 (EMD2)		YES
New 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
New 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)		—
New DAN202FM	FH	T106	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323 (UMD3)		YES
New 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
New 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)		—
New DAP202FM	FH	T106	80	80	300	100	4,000 (1μs)	1.2	100	0.1	70	4	6	5	SOT-323 (UMD3)		YES
New 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)		—
New 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
New 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
New 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
Low Leak type																	
1SS380VM	FH	TE-17	80	80	225	100	400 (1s)	1.2	100	0.01	80	—	—	—	SOD-323FL (UMD2)		YES
New 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)		YES
BAW156UM	FH	TL	100	80	500	215 ^{*3}	4,000 (1μs)	1.25	150	0.005	75	3,000	10 ^{*2}	10	SOT-323FL (UMD3F)		YES
New 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)		YES
New 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)		YES
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)		YES
DA204UM	—	TL	20	20	200	100	300 (1μs)	1.0	10	0.1	15	—	—	—	SOT-323FL (UMD3F)		—
DA228UM	—	TL	80	80	200	100	300 (1μs)	1.2	100	0.01	80	—	—	—	SOT-323FL (UMD3F)		—
New DA221ZM	—	T2L	20	20	200	100	300 (1μs)	1	10	0.1	15	—	—	—	SOT-723 (VMD3)		—
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	—	—	—	SOT-416FL (EMD3F)		—
New 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)		YES
New BAS116HY	FH	T116	100	80	500	215 ^{*3}	4,000 (1μs)	1.25	150	0.005	75	3,000	10 ^{*2}	10	SOT-23 (SSD3)		YES

*General Part No. have no grade code.
^{*1} Value/Chip ^{*2} Not V_R (V) but I_n (mA) Value ^{*3} I_F Value
 Note: Package is JEDEC code. () : ROHM Packages.

High Frequency Diodes



● Quick Reference for High Frequency Diodes

	V _R (V)	Surface Mount type		
		1006 size	1608 size	2120 size
		SOD-923 (VMN2M)	SOD-523 (EMD2)	SOT-323 (UMD3)
Band Switching Diode	35		1SS390SM	New DAN235FM
PIN Diodes	50	RN141CM		
	60	RN142SM		
Detection Schottky Diode	5	RB886CM		

Note: Package is JEDEC code. (): ROHM Packages.

Band Switching Diode																
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	
New 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														
RN142SM	*	-	T2R	60	100	150	-55 to +150	0.45	1	1	3	3	100	SOD-523 (EMD2)		-
RN141CM		-	T2R	50	100	150	-55 to +150	0.8	1	1	2	3	100	SOD-923 (VMN2M)		-
Detection Schottky Diode																
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)		-	

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

Packages

■ Dimensions (Unit: mm)

Surface Mount Type

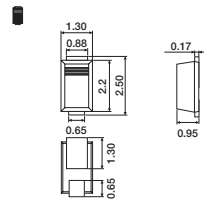
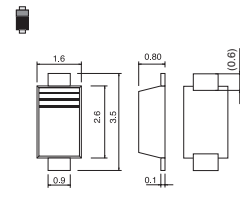
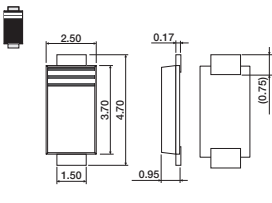
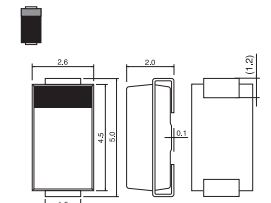
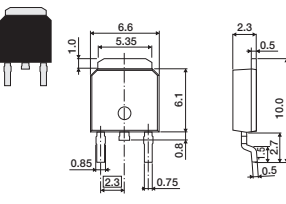
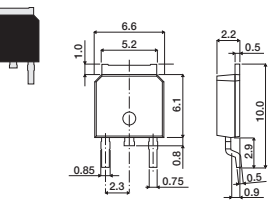
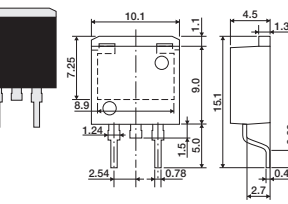
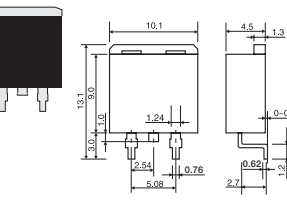
<p>DSN0402-2 (SMD0402)</p>	<p>DSN0603-2 (SMD0603) (SMD0603B)</p>	<p>DSN1006-2 (SMD1006)</p>	<p>DSN2012-2 (SMD2012)</p>
<p>SOD-923 (VMN2M)</p>	<p>VMD3 (SOT-723)</p>	<p>SOD-523 (EMD2) [SC-79]</p>	<p>SOT-416FL (EMD3F) [SC-89]</p>
<p>SOD-323FL (UMD2) [SC-90A]</p>	<p>SOT-323FL (UMD3F) [SC-85]</p>	<p>UMD3 (SOT-323)</p>	<p>SOT-23 (SSD3)</p>
<p>SOD-323HE (TUMD2M) [SC-108B]</p>	<p>SOD-323HE (TUMD2SM)</p>		

Note: Package is JEDEC code. (): ROHM Packages, []: JEITA Code.

Power Packages

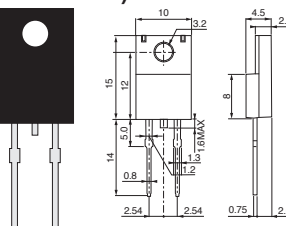
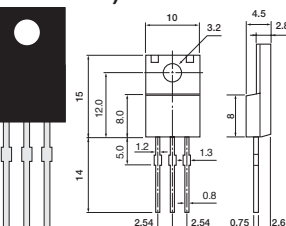
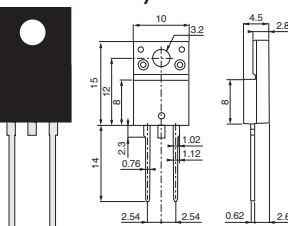
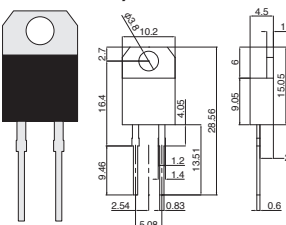
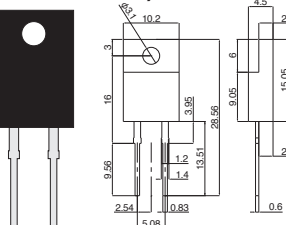
● Dimensions (Unit: mm)

Surface Mount type

<p>(PMDE)</p>  <p>0.88, 1.30, 2.2, 2.50, 0.65, 1.30, 0.17, 0.95</p>	<p>(PMDU) (SOD-123FL) [SC-109B]</p>  <p>1.6, 0.80, 2.6, 3.5, 0.9, 0.1, (0.6)</p>	<p>(PMDTM) (SOD-128)</p>  <p>2.50, 0.17, 3.70, 4.70, 1.50, 0.95, (0.75)</p>	<p>DO-214AC (PMDS) (SMA)</p>  <p>2.6, 2.0, 4.5, 1.5, 1.2, 0.1</p>
<p>(TO-252GE) (DPAK)</p>  <p>6.6, 5.35, 2.3, 0.5, 1.0, 6.1, 0.85, 0.8, 10.0, 0.75, 2.3, 0.5</p> <p>Each lead has same dimensions</p>	<p>TO-252 (DPAK)</p>  <p>6.6, 5.2, 2.2, 0.5, 1.0, 6.1, 0.85, 0.8, 10.0, 0.75, 2.3, 0.5, 0.9</p> <p>Each lead has same dimensions</p>	<p>TO-263AB (D2PAK)</p>  <p>10.1, 1.1, 4.5, 1.3, 7.25, 8.9, 1.24, 1.5, 9.0, 15.1, 2.54, 0.78, 5.0, 2.7, 0.4, 2.29</p> <p>Each lead has same dimensions</p>	<p>(TO-263S) (D2PAK) [SC-83]</p>  <p>10.1, 4.5, 1.3, 13.1, 3.0, 1.0, 1.24, 1.5, 9.0, 15.1, 2.54, 0.78, 5.0, 2.7, 0.4, 2.29, 0.62, 1.3, 0-0.3</p> <p>Each lead has same dimensions</p>

Note: Package is JEDEC code. (): ROHM Packages. []: JEITA Code. < >: GENERAL code.

Through Hole type

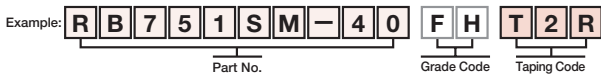
<p>(TO-220FN) <2pin></p>  <p>10, 3.2, 4.5, 2.8, 15, 12, 8, 14, 5.0, 1.0, 2.54, 2.54, 0.8, 0.75, 2.6</p> <p>Each lead has same dimensions</p>	<p>(TO-220FN) <3pin></p>  <p>10, 3.2, 4.5, 2.8, 15, 12, 8, 14, 5.0, 8.0, 1.2, 1.3, 0.8, 2.54, 2.54, 0.75, 2.6</p> <p>Each lead has same dimensions</p>	<p>(TO-220NFM) <2pin></p>  <p>10, 3.2, 4.5, 2.8, 15, 12, 8, 14, 5.0, 1.02, 1.12, 2.54, 2.54, 0.62, 2.6</p> <p>Each lead has same dimensions</p>
<p>(TO-220AC)</p>  <p>16.4, 2.7, 10.2, 0.2, 4.5, 1.28, 9.05, 6, 15.05, 2.6, 9.46, 2.54, 0.83, 5.08, 0.6</p> <p>Each lead has same dimensions</p>	<p>(TO-220ACFP)</p>  <p>10.2, 4.5, 2.8, 16, 3, 9.05, 6, 15.05, 2.6, 9.46, 2.54, 0.83, 5.08, 0.6</p> <p>Each lead has same dimensions</p>	

Note: Package is JEDEC code. (): ROHM Packages.

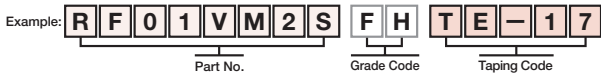
Product No. Explanation

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

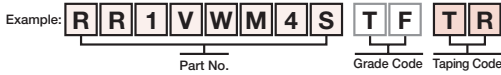
• Schottky Barrier Diodes



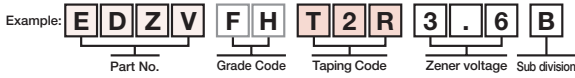
• Fast Recovery Diodes



• Rectifier Diodes



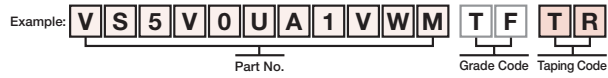
• Zener Diodes



• Protection Device



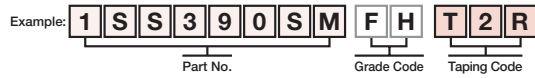
• TVS



• Switching Diodes



• High Frequency Diodes



• Packaging type

Package	Code	ROHM Package	JEITA code	Size	Height	Package Style	Direction	Basic Ordering Unit (pcs)	
Surface Mount type	DSN0402-2	T27R	SMD0402	-	0402	0.18	Embossed tape	Cathode on sprocket hole side	27,000
		T27N					Embossed tape	Non-direction	27,000
	DSN0603-2	T15R	SMD0603	-	0603	0.28	Embossed tape	Cathode on sprocket hole side	15,000
			SMD0603B						
	DSN1006-2	T18R	SMD1006	-	1006	0.22	Embossed tape	Cathode on sprocket hole side	18,000
	DSN2012-2	T7R	SMD2012	-	2012	0.3	Embossed tape	Cathode on sprocket hole side	7,000
	SOD-923	T2R	VMN2M	-	1006	0.37	Embossed tape	Cathode on sprocket hole side	8,000
	SOD-523	T2R	EMD2	SC-79	1608	0.6	Embossed tape	Cathode on sprocket hole side	8,000
							T2N	Embossed tape	Non-direction
	SOT-416FL	TL	EMD3F	SC-89	1616	0.7	Embossed tape	One terminal on sprocket hole side	3,000
	SOD-323FL	TE-17	UMD2	SC-90A	25125	0.7	Embossed tape	Cathode on sprocket hole side	3,000
	SOT-323	T106	UMD3	SC-85	2120	0.9	Embossed tape	One terminal on sprocket hole side	3,000
	SOT-323FL	TL	UMD3F	SC-85	2120	0.9	Embossed tape	One terminal on sprocket hole side	3,000
	SOT-23	T116	SSD3	-	2429	0.95	Embossed tape	One terminal on sprocket hole side	3,000
	SOD-323HE	TR	TUMD2M	SC-108B	2514	0.6	Embossed tape	Cathode on sprocket hole side	3,000
			TUMD2SM	-	2514	0.6	Embossed tape	Cathode on sprocket hole side	3,000
	(PMDE)	TR	PMDE	-	2513	0.95	Embossed tape	Cathode on sprocket hole side	3,000
	(SOD-123FL)	TR	PMDU	SC-109B	3516	0.8	Embossed tape	Cathode on sprocket hole side	3,000
	(SOD-128)	TR	PMDTM	-	4725	0.95	Embossed tape	Cathode on sprocket hole side	3,000
	DO-214AC (SMA)	TE25	PMDS	-	5026	2	Embossed tape	Cathode on sprocket hole side	1,500
(TO-252GE) (DPAK)	TL	TO-252GE	SC-63	9866	2.3	Embossed tape	Fin on sprocket hole side	2,500	
TO-252 (DPAK)	TL	-	SC-63	10066	2.2	Embossed tape	Fin on sprocket hole side	2,500	
(TO-263S) (D2PAK)	TL	LPDS	SC-83	131101	4.5	Embossed tape	Fin on sprocket hole side	1,000	
TO-263AB (D2PAK)	TL	LPDL	SC-83	151101	4.5	Embossed tape	Fin on sprocket hole side	1,000	
Through Hole type	(TO-220FN)	C9	TO-220FN	-	29×10	4.5	Stick	box	1,000
	(TO-220NFM)	C9	TO-220NFM	-	29×10	4.5	Stick	box	1,000
	(TO-220AC)	C9	TO-220AC	-	28.56×10.2	4.5	Stick	box	1,000
	(TO-220ACFP)	C9	TO-220ACFP	-	28.56×10.2	4.5	Stick	box	1,000

Note: Package is JEDEC code. (): ROHM Packages, (): GENERAL code.