The RoHS directive, REACH regulation, and other laws and regulations related to the management of environmentally hazardous substances come into effect. When developing products, the global environmental load must be considered. ROHM pursues green procurement and endeavors to increase the detection accuracy of chemicals contained in parts and procured materials while at the same time placing great importance on the internal chemical management system that was built to ensure that no prohibited substances are procured, used or shipped in order to provide a steady supply of worry-free products.

Туре		Package Code		ROHM Package		Mass (mg)	Part No.	
SiC SBD		TO-263AB		TO-263AB(LPTL)(Halogen free)		1509.4147	SCS2000J	
Nº	Part Name	Weight (mg)	Substance	Name	CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	617.4416	Silica (amorphous)		60676-86-0	538.1004	35.65%	87.15%
			Epoxy resin		-	46.3083	3.07%	7.50%
			Phenol-formaldehyde resin		-	30.8721	2.05%	5.00%
			Carbon black		1333-86-4	2.1608	0.14%	0.35%
				Subtotal		617.4416	40.91%	100%
2	Lead frame (Base material)	871.2210	Copper (Cu)		7440-50-8	871.2210	57.72%	100.00%
				Subtotal		871.2210	57.72%	100%
3	Lead frame (Surface treatment)	0.0871	Nickel (Ni)		7440-02-0	0.0871	0.01%	100.00%
3				Subtotal		0.0871	0.01%	100%
	External plating	6.9340	Tin (Sn)		7440-31-5	6.7950	0.45%	98.00%
4			Copper (Cu)		7440-50-8	0.1390	0.01%	2.00%
				Subtotal		6.9340	0.46%	100%
	Die	2.5110	Silicon Carbide(SiC)		409-21-2	2.4490	0.16%	97.53%
			Aluminum (Al)		7429-90-5	0.0280	0.002%	1.12%
			Nickel (Ni)		7440-02-0	0.0170	0.001%	0.68%
5			Silver (Ag)		7440-22-4	0.0100	0.001%	0.40%
			Gold (Au)		7440-57-5	0.0040	0.0003%	0.16%
			Titanium(Ti)		7440-32-6	0.0030	0.0002%	0.12%
				Subtotal		2.5110	0.17%	100%
	Die attach	9.6620	Lead (Pb) *1		7439-92-1	9.2272	0.61%	95.50%
6			Tin (Sn)		7440-31-5	0.1932	0.01%	2.00%
			Silver (Ag)		7440-22-4	0.2416	0.02%	2.50%
				Subtotal		9.6620	0.64%	100%
7	Bonding wire	1.5580	Aluminum (Al)		7429-90-5	1.5580	0.10%	100.00%
				Subtotal		1.5580	0.10%	100%
				Total	-	1509.4147	100%	-

Note

%1 It is exempted from the RoHS, because of the high melting point solder.

Disclaimer

All information in this document is furnished for exploratory or indicative purposes only.

•This information provides estimates of the average weights and content of component materials. and does not include impurities or metals diffused in the silicon carbide.

•ROHM strives for the accuracy of the information, however, ROHM does not give any representations or warranties as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information.

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