

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.

Type	Package Code	ROHM Package	Mass (g)	Part No.
SiC PM	-	C type	269.7891	BSM080D12P2C008

No	Part Name	Part	Weight (g)	Substance Name	CAS No	Weight (g)	Portion vs. Products	Portion vs. Part Name
1	Cu base	Base material	159.1000	Copper (Cu)	7440-50-8	159.1000	58.97%	100.00%
		Surface treatment	0.4800	Nickel (Ni)	7440-02-0	0.4800	0.18%	100.00%
2	Direct Bonded Copper Substrate	Base material	7.3700	Copper (Cu)	7440-50-8	4.8370	1.79%	65.63%
				Aluminum nitride (AlN)	24304-00-5	2.1733	0.81%	29.49%
				Silver (Ag)	7440-22-4	0.3249	0.12%	4.41%
				Yttrium oxide	1314-36-9	0.0286	0.01%	0.39%
				Titanium (Ti)	7440-32-6	0.0063	0.00%	0.09%
		Surface treatment	0.0600	Nickel (Ni)	7440-02-0	0.0600	0.02%	100.00%
3	Adhesive		1.0000	Polyalkyl alkenyl siloxane	-	0.5000	0.19%	50.00%
				Silica (Quartz)	14808-60-7	0.4000	0.15%	40.00%
				Polyalkyl hydrogen siloxane	-	0.0500	0.02%	5.00%
				Silica (Amorphous)	-	0.0500	0.02%	5.00%
4	Case	Body	42.2300	Filler	-	29.5600	10.96%	70.00%
				Poly phenylene sulfide	26125-40-6	12.4600	4.62%	29.51%
				Carbon black	-	0.2100	0.08%	0.50%
		Color	1.0800	Brass	12597-71-6	1.0800	0.40%	100.00%
		Nut (Base material)	8.6200	Iron (Fe)	7439-89-6	8.6200	3.20%	100.00%
		Nut (Surface treatment)	0.0550	Chromic compound	-	0.0550	0.02%	100.00%
		Terminal (Base material)	16.8600	Copper (Cu)	7440-50-8	16.8600	6.25%	100.00%
Terminal (Surface treatment)	0.1420	Nickel (Ni)	7440-02-0	0.1420	0.05%	100.00%		
5	Lid		7.6200	Poly phenylene sulfide	26125-40-6	2.7700	1.03%	36.35%
				Alumina borosilicate glass	65997-17-3	2.6600	0.99%	34.91%
				Calcium carbonate	471-34-1	2.1300	0.79%	27.95%
				Carbon black	1333-86-4	0.0400	0.01%	0.52%
				Moisture magnesium silicate	14807-96-6	0.0200	0.01%	0.26%
6	Aluminum wire		1.4100	Aluminum (Al)	7429-90-5	1.4100	0.52%	100.00%
7	Silicone gel		20.0000	Silicone	-	20.0000	7.41%	100.00%
8	Solder		3.6500	Tin (Sn)	7440-31-5	3.3500	1.24%	91.78%
				Silver (Ag)	7440-22-4	0.1700	0.06%	4.66%
				Antimony (Sb)	7440-36-0	0.1000	0.04%	2.74%
				Copper (Cu)	7440-50-8	0.0300	0.01%	0.82%
9	MOS chip		0.0667	Silicon Carbide (SiC)	409-21-2	0.0650	0.02%	97.47%
				Aluminum (Al)	7429-90-5	0.0008	0.0003%	1.20%
				Nickel (Ni)	7440-02-0	0.0004	0.0002%	0.66%
				Silver (Ag)	7440-22-4	0.0003	0.0001%	0.39%
				Gold (Au)	7440-57-5	0.0001	0.00004%	0.17%
				Titanium (Ti)	7440-32-6	0.0001	0.00003%	0.12%
10	SBC chip		0.0453	Silicon Carbide (SiC)	409-21-2	0.0442	0.02%	97.39%
				Aluminum (Al)	7429-90-5	0.0006	0.000%	1.23%
				Nickel (Ni)	7440-02-0	0.0003	0.0001%	0.69%
				Silver (Ag)	7440-22-4	0.0002	0.0001%	0.41%
				Gold (Au)	7440-57-5	0.0001	0.00003%	0.17%
			269.7891			269.7891	100.00%	

備考

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免責事項

Constitution Materials List is composed using the information provided by the raw material suppliers.

However, due to the confidentiality of some suppliers, some information may not be provided fully.

Therefore we cannot guarantee that all chemical substances information are listed in it.

・The content shown is the representative value content.

・The data does not include overcoat, impurities and dopant diffused in the semiconductor chip.

Notes

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- 2) Before you use our Products, please contact our sales representative and verify the latest specifications :
- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
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