

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 Diode		Pac	kage Code	ROHM Package		Mass (mg)	Part No.	
		SOD-523		EMD2		1.5000	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	0.9990	Silica (amorphous)		60676-86-0	0.7290	48.60%	72.97%
			Epoxy resin		29690-82-2	0.1218	8.12%	12.19%
			Phenol resin		9003-35-4	0.0800	5.33%	8.01%
			Brominated epoxy resin		68541-56-0	0.0450	3.00%	4.50%
1			Antimony trioxide		1309-64-4	0.0130	0.87%	1.30%
·			Organic phosphorus compounds		-	0.0060	0.40%	0.60%
			Azo compound*1		-	0.0040	0.27%	0.40%
			Chromium compounds except for hexavalent chromium compounds		-	0.0002	0.01%	0.02%
				Subtotal		0.9990	66.60%	100
	Lead frame (Base material)	0.3900	Iron (Fe)		7439-89-6	0.2262	15.08%	58.00%
2			Nickel (Ni)		7440-02-0	0.1638	10.92%	42.00%
				Subtotal		0.3900	26.00%	100
3	Lead frame (Surface treatment)	0.0570	Copper (Cu)		7440-50-8	0.0570	3.80%	100.00%
3				Subtotal		0.0570	3.80%	100
	External plating	0.0160	Tin (Sn)		7440-31-5	0.0154	1.03%	96.50%
4			Silver (Ag)		7440-22-4	0.0005	0.03%	3.00%
4			Copper (Cu)		7440-50-8	0.0001	0.01%	0.50%
			Subtotal			0.0160	1.07%	100
	Die	0.0310	Silicon (Si)		7440-21-3	0.0290	1.93%	93.55%
5			Gold (Au)		7440-57-5	0.0020	0.13%	6.45%
			Subtotal			0.0310	2.07%	100
6	Bonding wire	0.0070	Gold (Au)		7440-57-5	0.0070	0.47%	100.00%
0				Subtotal		0.0070	0.47%	100
				Total	-	1.5000	100%	-

Note

\*1 : Not created amine.

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.

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