

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.	
Diode		SOT-543		EMD4		2.6000	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	1.3380	Silica (amorphous)		60676-86-0	0.9765	37.56%	72.98%
			Epoxy resin		29690-82-2	0.1787	6.87%	13.36%
			Phenol resin		9003-35-4	0.1068	4.11%	7.98%
			Brominated epoxy resin		68541-56-0	0.0492	1.89%	3.68%
			Antimony trioxide		1309-64-4	0.0140	0.54%	1.05%
			Organic phosphorus compounds		-	0.0071	0.27%	0.53%
			Azo compound*1		-	0.0054	0.21%	0.40%
			Chromium compounds except for hexavalent chromium compounds		-	0.0003	0.01%	0.02%
				Subtotal		1.3380	51.46%	100%
2	Lead frame (Base material)	0.9398	Iron (Fe)		7439-89-6	0.5451	20.97%	58.00%
			Nickel (Ni)		7440-02-0	0.3947	15.18%	42.00%
				Subtotal		0.9398	36.15%	100%
3	Lead frame (Surface treatment)	0.1552	Copper (Cu)		7440-50-8	0.1552	5.97%	100.00%
3				Subtotal		0.1552	5.97%	100%
	External plating	0.0930	Tin (Sn)		7440-31-5	0.0911	3.51%	98.00%
4			Copper (Cu)		7440-50-8	0.0019	0.07%	2.00%
				Subtotal		0.0930	3.58%	100%
5	Die	0.0610	Silicon (Si)		7440-21-3	0.0557	2.14%	91.30%
			Gold (Au)		7440-57-5	0.0053	0.20%	8.70%
			Subtotal			0.0610	2.35%	100%
6	Bonding wire	0.0130	Gold (Au)		7440-57-5	0.0130	0.50%	100.00%
				Subtotal		0.0130	0.50%	100%
				Total	-	2.6000	100%	-

DI-EMD4-JE Rev.7

Note

*1 : Not created amine.

Disclaimer

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• 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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