

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		SOD-523		EMD2 (halogen free)		1.4999	-	
N≌	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	0.9938	Silica (amorphous)		60676-86-0	0.7343	48.96%	73.48%
			Epoxy resin		_	0.1048	6.99%	10.49%
			Phenol resin		_	0.0500	3.33%	5.00%
			Aluminum hydroxide		21645-51-2	0.1048	6.99%	10.48%
			Organic phosphorus compounds		_	0.0005	0.04%	0.05%
			Carbon black		1333-86-4	0.0050	0.33%	0.50%
				Subtotal		0.9993	66.63%	100%
2	Lead frame (Base material)	0.3910	Iron(Fe)		7439-89-6	0.2268	15.12%	58.00%
			Nickel(Ni)		7440-02-0	0.1642	10.95%	42.00%
				Subtotal		0.3910	26.07%	100%
3	Lead frame (Surface treatment)	0.0563	Copper(Cu)		7440-50-8	0.0563	3.75%	100.00%
3				Subtotal		0.0563	3.75%	100%
4	External plating	0.0163	Tin(Sn)		7440-31-5	0.0163	1.09%	100.00%
4			Subtotal			0.0163	1.09%	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	0.0060	Gold(Au)		7440-57-5	0.0060	0.40%	100.00%
				Subtotal		0.0060	0.40%	100%
				Total	-	1.4999	100%	-

DI-EMD2M-HF-JE Rev.7

## Note

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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