

CONSTITUTION MATERIALS LIST

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.

DI-EMD5-JE Rev.7

Туре	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOT-553	EMD5	2.6000	-

Nº	Part Name	Weight (mg)	Substance Name	CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	1.2950	Silica (amorphous)	60676-86-0	0.9393	36.13%	72.53%
			Epoxy resin	29690-82-2	0.1744	6.71%	13.47%
			Phenol resin	9003-35-4	0.1074	4.13%	8.29%
			Brominated epoxy resin	68541-56-0	0.0470	1.81%	3.63%
			Antimony trioxide	1309-64-4	0.0134	0.52%	1.04%
			Organic phosphorus compounds	-	0.0067	0.26%	0.51%
			Azo compound*1	-	0.0067	0.26%	0.51%
			Chromium compounds except for hexavalent chromium compounds	-	0.0002	0.01%	0.02%
			Subtota	1	1.2950	49.81%	100%
2	Lead frame (Base material)	1.0094	Iron (Fe)	7439-89-6	0.5854	22.52%	58.00%
			Nickel (Ni)	7440-02-0	0.4239	16.31%	42.00%
			Subtota	1	1.0094	38.82%	100%
3	Lead frame (Surface treatment)	0.1346	Copper (Cu)	7440-50-8	0.1346	5.18%	100.00%
			Subtota		0.1346	5.18%	100%
4	External plating	0.1170	Tin (Sn)	7440-31-5	0.1147	4.41%	98.00%
			Copper (Cu)	7440-50-8	0.0023	0.09%	2.00%
			Subtota		0.1170	4.50%	100%
5	Die	0.0310	Silicon (Si)	7440-21-3	0.0268	1.03%	86.48%
			Gold (Au)	7440-57-5	0.0042	0.16%	13.52%
			Subtota	1	0.0310	1.19%	100%
6	Bonding wire	0.0130	Gold (Au)	7440-57-5	0.0130	0.50%	100.00%
			Subtota		0.0130	0.50%	100%
	Total				2.6000	100%	-

Note

*1 : Not created amine.

Disclaimer

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