

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-UMD5-JE Rev.7

Туре	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOT-353	UMD5	6.8000	-

Nº	Part Name	Weight (mg)	Substance Name	CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	3.7600	Silica (amorphous)	60676-86-0	2.7269	40.10%	72.52%
			Epoxy resin	29690-82-2	0.5064	7.45%	13.47%
			Phenol resin	9003-35-4	0.3116	4.58%	8.29%
			Brominated epoxy resin	68541-56-0	0.1364	2.01%	3.63%
1			Antimony trioxide	1309-64-4	0.0390	0.57%	1.04%
.			Organic phosphorus compounds	-	0.0195	0.29%	0.52%
			Azo compound*1	-	0.0195	0.29%	0.52%
			Chromium compounds except for hexavalent chromium compounds		0.0007	0.01%	0.02%
			Subto	tal	3.7600	55.29%	100%
	Lead frame (Base material)	2.4583	Iron (Fe)	7439-89-6	1.4258	20.97%	58.00%
2			Nickel (Ni)	7440-02-0	1.0325	15.18%	42.00%
			Subto	tal	2.4583	36.15%	100%
3	Lead frame (Surface treatment)	0.3277	Copper (Cu)	7440-50-8	0.3277	4.82%	100.00%
١			Subto	tal	0.3277	4.82%	100%
	External plating	0.1400	Tin (Sn)	7440-31-5	0.1372	2.02%	98.00%
4			Copper (Cu)	7440-50-8	0.0028	0.04%	2.00%
			Subto	tal	0.1400	2.06%	100%
	Die	0.0950	Silicon (Si)	7440-21-3	0.0862	1.27%	90.74%
5			Gold (Au)	7440-57-5	0.0088	0.13%	9.26%
			Subto	tal	0.0950	1.40%	100%
6	Bonding wire	0.0190	Gold (Au)	7440-57-5	0.0190	0.28%	100.00%
			Subto	tal	0.0190	0.28%	100%
				tal -	6.8000	100%	-

Note

*1 : Not created amine.

Disclaime

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