

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-TUMD2MCu-HF-JE_Rev.7

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
Diode	-	TUMD2 (halogen free)	5.4400	-	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	2.1562	Silica (amorphous	s)	60676-86-0	1.6058	29.52%	74.25%
			Epoxy resin I		-	0.2033	3.74%	9.40%
			Epoxy resin II		-	0.0638	1.17%	2.95%
			Aluminum hydroxi	ide	21645-51-2	0.2833	5.21%	13.10%
			Carbon black		1333-86-4	0.0065	0.12%	0.30%
				Subtotal		2.1627	39.76%	100%
2	Lead frame (Base material)	2.7770	Copper (Cu)		7440-50-8	2.7742	51.00%	99.90%
			Iron (Fe)		7439-89-6	0.0028	0.05%	0.10%
				Subtotal		2.7770	51.05%	100%
3	Lead frame (Surface treatment)	0.0718	Silver (Ag)		7440-22-4	0.0718	1.32%	100.00%
				Subtotal		0.0718	1.32%	100%
4	External plating	0.1505	Tin (Sn)		7440-31-5	0.1505	2.77%	100.00%
				Subtotal		0.1505	2.77%	100%
5	Die	0.1760	Silicon (Si)		7440-21-3	0.1710	3.14%	97.16%
			Silver (Ag)		7440-22-4	0.0050	0.09%	2.84%
				Subtotal		0.1760	3.24%	100%
6	Die attach	0.0691	Silver (Ag)		7440-22-4	0.0593	1.09%	85.86%
			Epoxy resin		-	0.0080	0.15%	11.59%
			Phenol resin		-	0.0018	0.03%	2.55%
				Subtotal		0.0691	1.27%	100%
7	Bonding wire	0.0330	Copper (Cu)		7440-50-8	0.0330	0.61%	100.00%
				Subtotal		0.0330	0.61%	100%
				Total	-	5.4400	100%	-

Note

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