

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	SC	D-323FL	UMD2		3.4000	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	2.6070	Silica (amorphous)		60676-86-0	1.9020	55.94%	72.96%
			Epoxy resin		29690-82-2	0.3330	9.79%	12.77%
			Phenol resin		9003-35-4	0.2350	6.91%	9.01%
			Brominated epoxy resin		68541-56-0	0.0880	2.59%	3.38%
			Antimony trioxide		1309-64-4	0.0250	0.74%	0.96%
			Organic phosphorus compounds		-	0.0130	0.38%	0.50%
			Azo compound*1		-	0.0100	0.29%	0.38%
			Chromium compounds except for hexavalent chromium compounds		-	0.0010	0.03%	0.04%
			Subtotal			2.6070	76.68%	100%
	Lead frame (Base material)	0.6100	Iron (Fe)		7439-89-6	0.3538	10.41%	58.00%
2			Nickel (Ni)		7440-02-0	0.2562	7.54%	42.00%
				Subtotal		0.6100	17.94%	100%
3	Lead frame (Surface treatment)	0.0890	Copper (Cu)		7440-50-8	0.0890	2.62%	100.00%
3				Subtotal		0.0890	2.62%	100%
	External plating	0.0300	Tin (Sn)		7440-31-5	0.0290	0.85%	96.50%
4			Silver (Ag)		7440-22-4	0.0009	0.03%	3.00%
4			Copper (Cu)		7440-50-8	0.0002	0.00%	0.50%
			Subtotal			0.0300	0.88%	100%
5	Die	0.0550	Silicon (Si)		7440-21-3	0.0480	1.41%	87.27%
			Gold (Au)		7440-57-5	0.0070	0.21%	12.73%
				Subtotal		0.0550	1.62%	100%
6	Bonding wire	0.0090	Gold (Au)		7440-57-5	0.0090	0.26%	100.00%
				Subtotal		0.0090	0.26%	100%
				Total	-	3.4000	100%	-

DI-USH-JE_Rev.7

Note

*1 : Not created amine.

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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