

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		SOT-343		UMD4		6.5000	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	4.0940	Silica (amorphous)		60676-86-0	2.9880	45.97%	72.98%
			Epoxy resin		29690-82-2	0.5820	8.95%	14.22%
			Phenol resin		9003-35-4	0.3280	5.05%	8.01%
			Brominated epoxy resin		68541-56-0	0.1250	1.92%	3.05%
			Antimony trioxide		1309-64-4	0.0360	0.55%	0.88%
			Organic phosphorus compounds		-	0.0180	0.28%	0.44%
			Azo compound*1		-	0.0160	0.25%	0.39%
			Chromium compounds except for hexavalent chromium compounds		-	0.0010	0.02%	0.02%
				Subtotal		4.0940	62.98%	100%
2	Lead frame (Base material)	1.9310	Iron (Fe)		7439-89-6	1.1200	17.23%	58.00%
			Nickel (Ni)		7440-02-0	0.8110	12.48%	42.00%
				Subtotal		1.9310	29.71%	100%
3	Lead frame (Surface treatment)	0.2980	Copper (Cu)		7440-50-8	0.2980	4.58%	100.00%
3				Subtotal		0.2980	4.58%	100%
	External plating	0.1030	Tin (Sn)		7440-31-5	0.1009	1.55%	98.00%
4			Copper (Cu)		7440-50-8	0.0021	0.03%	2.00%
				Subtotal		0.1030	1.58%	100%
5	Die	0.0550	Silicon (Si)		7440-21-3	0.0420	0.65%	76.36%
			Gold (Au)		7440-57-5	0.0130	0.20%	23.64%
			Subtotal			0.0550	0.85%	100%
6	Bonding wire	0.0190	Gold (Au)		7440-57-5	0.0190	0.29%	100.00%
				Subtotal		0.0190	0.29%	100%
				Total	-	6.5000	100%	-

DI-UMD4-JE Rev.7

Note

*1 : Not created amine.

Disclaimer

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• 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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