

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.

TR-UMT6-JE Rev.7

Туре		Package Code		ROHM Package		Mass (mg)	Part No.	
Transistor		SOT-363(SC-88)		UMT6		5.6000	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	3.0389	Silica (amorphous)		60676-86-0	2.2039	39.36%	72.52%
			Epoxy resin		29690-82-2	0.4093	7.31%	13.47%
1			Phenol resin		9003-35-4	0.2519	4.50%	8.29%
			Brominated epoxy resin		68541-56-0	0.1102	1.97%	3.63%
			Antimony trioxide		1309-64-4	0.0315	0.56%	1.04%
			Organic phosphor compounds	us	-	0.0157	0.28%	0.52%
			Azo compound*1		-	0.0157	0.28%	0.52%
			Chromium compounds except for hexavalent chromium compounds		-	0.0007	0.01%	0.02%
				Subtotal		3.0389	54.27%	100%
	Lead frame (Base material)	1.9052	Iron (Fe)		7439-89-6	1.1050	19.73%	58.00%
2			Nickel (Ni)		7440-02-0	0.8002	14.29%	42.00%
				Subtotal		1.9052	34.02%	100%
3	Lead frame (Surface treatment)	0.2540	Copper (Cu)		7440-50-8	0.2540	4.54%	100.00%
5				Subtotal		0.2540	4.54%	100%
	External plating	0.2750	Tin (Sn)		7440-31-5	0.2695	4.81%	98.00%
4			Copper (Cu)		7440-50-8	0.0055	0.10%	2.00%
-			0.0000mg		0.0000mg	0.0000	0.00%	0.00%
				Subtotal		0.2750	4.91%	100%
5	Die	0.1058	Silicon (Si)		7440-21-3	0.0960	1.71%	90.74%
			Gold (Au)		7440-57-5	0.0098	0.18%	9.26%
			Subtotal			0.1058	1.89%	100%
6	Bonding wire	0.0211	Gold (Au)		7440-57-5	0.0211	0.38%	100.00%
				Subtotal		0.0211	0.38%	100%
				Total	-	5.6000	100%	-

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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