

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.

TR-SMT5-JE_Rev.7

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
Transistor	SOT-25(SC-74A)	SMT5	11.6700	-	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	7.2490	Silica (amorphous)		60676-86-0	5.2622	45.09%	72.59%
			Epoxy resin		29690-82-2	0.9021	7.73%	12.44%
			Phenol resin		9003-35-4	0.6766	5.80%	9.33%
			Brominated epoxy resin		68541-56-0	0.2631	2.25%	3.63%
			Antimony trioxide		1309-64-4	0.0752	0.64%	1.04%
			Organic phosphorus compounds		-	0.0376	0.32%	0.52%
			Azo compound*1		-	0.0300	0.26%	0.41%
			Chromium compounds except for hexavalent chromium compounds		-	0.0022	0.02%	0.03%
				Subtotal		7.2490	62.12%	100%
2	Lead frame (Base material)	3.5430	Iron (Fe)		7439-89-6	2.0549	17.61%	58.00%
			Nickel (Ni)		7440-02-0	1.4881	12.75%	42.00%
				Subtotal		3.5430	30.36%	100%
3	Lead frame (Surface treatment)	0.4725	Copper (Cu)		7440-50-8	0.4725	4.05%	100.00%
				Subtotal		0.4725	4.05%	100%
4	External plating	0.2140	Tin (Sn)		7440-31-5	0.2065	1.77%	96.50%
			Silver (Ag)		7440-22-4	0.0064	0.06%	3.00%
			Copper (Cu)		7440-50-8	0.0011	0.01%	0.50%
				Subtotal		0.2140	1.83%	100%
5	Die	0.1630	Silicon (Si)		7440-21-3	0.1530	1.31%	93.87%
			Gold (Au)		7440-57-5	0.0100	0.09%	6.13%
				Subtotal		0.1630	1.40%	100%
6	Bonding wire	0.0285	Gold (Au)		7440-57-5	0.0285	0.24%	100.00%
				Subtotal		0.0285	0.24%	100%
				Total	-	11.6700	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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