

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-SST3-JE_Rev.7

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
Transistor	SOT-23	SST3	7.7600	-	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	4.5050	Silica (amorphous)		60676-86-0	3.2699	42.14%	72.58%
			Epoxy resin		29690-82-2	0.5606	7.22%	12.44%
			Phenol resin		9003-35-4	0.4204	5.42%	9.33%
			Brominated epoxy resin		68541-56-0	0.1635	2.11%	3.63%
			Antimony trioxide		1309-64-4	0.0467	0.60%	1.04%
			Organic phosphorus compounds		-	0.0234	0.30%	0.52%
			Azo compound*1		-	0.0187	0.24%	0.42%
			Chromium compounds except for hexavalent chromium compounds		-	0.0018	0.02%	0.04%
				Subtotal		4.5050	58.05%	100%
2	Lead frame (Base material)	2.6338	Iron (Fe)		7439-89-6	1.5276	19.69%	58.00%
			Nickel (Ni)		7440-02-0	1.1062	14.26%	42.00%
				Subtotal		2.6338	33.94%	100%
3	Lead frame (Surface treatment)	0.3512	Copper (Cu)		7440-50-8	0.3512	4.53%	100.00%
				Subtotal		0.3512	4.53%	100%
4	External plating	0.1770	Tin (Sn)		7440-31-5	0.1708	2.20%	96.50%
			Silver (Ag)		7440-22-4	0.0053	0.07%	3.00%
			Copper (Cu)		7440-50-8	0.0009	0.01%	0.50%
				Subtotal		0.1770	2.28%	100%
5	Die	0.0816	Silicon (Si)		7440-21-3	0.0770	0.99%	94.36%
			Gold (Au)		7440-57-5	0.0046	0.06%	5.64%
				Subtotal		0.0816	1.05%	100%
6	Bonding wire	0.0114	Gold (Au)		7440-57-5	0.0114	0.15%	100.00%
				Subtotal		0.0114	0.15%	100%
				Total	-	7.7600	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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