

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-VMT3-JE_Rev.7

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
Transistor	SOT-723(SC-105AA)	VMT3	1.3000	-	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	0.6236	Silica (amorphous)		60676-86-0	0.4523	34.79%	72.53%
			Epoxy resin		29690-82-2	0.0840	6.46%	13.47%
			Phenol resin		9003-35-4	0.0517	3.98%	8.29%
			Brominated epoxy resin		68541-56-0	0.0226	1.74%	3.62%
			Antimony trioxide		1309-64-4	0.0065	0.50%	1.04%
			Organic phosphorus compounds		-	0.0032	0.25%	0.51%
			Azo compound*1		-	0.0032	0.25%	0.51%
			Chromium compounds except for hexavalent chromium compounds		-	0.0001	0.01%	0.02%
				Subtotal		0.6236	47.97%	100%
2	Lead frame (Base material)	0.5307	Iron (Fe)		7439-89-6	0.3078	23.68%	58.00%
			Nickel (Ni)		7440-02-0	0.2229	17.15%	42.00%
				Subtotal		0.5307	40.82%	100%
3	Lead frame (Surface treatment)	0.0708	Copper (Cu)		7440-50-8	0.0708	5.45%	100.00%
			Subtotal			0.0708	5.45%	100%
4	External plating	0.0323	Tin (Sn)		7440-31-5	0.0317	2.43%	98.00%
			Copper (Cu)		7440-50-8	0.0006	0.05%	2.00%
				Subtotal		0.0323	2.48%	100%
5	Die	0.0370	Silicon (Si)		7440-21-3	0.0320	2.46%	86.49%
			Gold (Au)		7440-57-5	0.0050	0.38%	13.51%
				Subtotal		0.0370	2.85%	100%
6	Bonding wire	0.0056	Gold (Au)		7440-57-5	0.0056	0.43%	100.00%
				Subtotal		0.0056	0.43%	100%
				Total	-	1.3000	100%	-

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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