



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-VMT6-HF-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Transistor	-	VMT6 (Halogen free)	1.5340	-

№	Part Name	Weight (mg)	Substance Name	CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	0.7160	Silica (amorphous)	60676-86-0	0.4220	27.51%	58.94%
			Epoxy resin	29690-82-2	0.1030	6.71%	14.39%
			Phenol resin	9003-35-4	0.0550	3.59%	7.68%
			Aluminum hydroxide	21645-51-2	0.1280	8.34%	17.88%
			Organic phosphorus compounds	-	0.0040	0.26%	0.56%
			Carbon black	1333-86-4	0.0040	0.26%	0.56%
			Subtotal		0.7160	46.68%	100%
2	Lead frame (Base material)	0.6150	Iron (Fe)	7439-89-6	0.3567	23.25%	58.00%
			Nickel (Ni)	7440-02-0	0.2583	16.84%	42.00%
			Subtotal		0.6150	40.09%	100%
3	Lead frame (Surface treatment)	0.0820	Copper (Cu)	7440-50-8	0.0820	5.35%	100.00%
			Subtotal		0.0820	5.35%	100%
4	External plating	0.0330	Tin (Sn)	7440-31-5	0.0330	2.15%	100.00%
			Subtotal		0.0330	2.15%	100%
5	Die	0.0740	Silicon (Si)	7440-21-3	0.0640	4.17%	86.49%
			Gold (Au)	7440-57-5	0.0100	0.65%	13.51%
			Subtotal		0.0740	4.82%	100%
6	Bonding wire	0.0140	Gold (Au)	7440-57-5	0.0140	0.91%	100.00%
			Subtotal		0.0140	0.91%	100%
			Total	-	1.5340	100%	-

Note

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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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- 3) Although ROHM is continuously working to improve product reliability and quality, semiconductors can break down and malfunction due to various factors.
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