



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-VML0806-HF-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Transistor	DFN0806-3	VML0806 (Halogen free)	0.5500	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	0.3044	Silica (amorphous)	60676-86-0	0.2718	49.42%	89.29%
			Epoxy resin	29690-82-2	0.0168	3.05%	5.52%
			Phenol resin	—	0.0152	2.76%	4.99%
			Carbon black	1333-86-4	0.0006	0.11%	0.20%
			<i>Subtotal</i>		<i>0.3044</i>	<i>55.35%</i>	<i>100%</i>
2	Lead frame (Base material)	0.2030	Copper (Cu)	7440-50-8	0.2030	36.91%	100.00%
			<i>Subtotal</i>		<i>0.2030</i>	<i>36.91%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.0050	Silver (Ag)	7440-22-4	0.0050	0.92%	100.00%
			<i>Subtotal</i>		<i>0.0050</i>	<i>0.92%</i>	<i>100%</i>
4	External plating	0.0105	Tin (Sn)	7440-31-5	0.0105	1.91%	100.00%
			<i>Subtotal</i>		<i>0.0105</i>	<i>1.91%</i>	<i>100%</i>
5	Die	0.0210	Silicon (Si)	7440-21-3	0.0180	3.27%	85.71%
			Gold (Au)	7440-57-5	0.0030	0.55%	14.29%
			<i>Subtotal</i>		<i>0.0210</i>	<i>3.82%</i>	<i>100%</i>
6	Bonding wire	0.0061	Gold (Au)	7440-57-5	0.0061	1.10%	100.00%
			<i>Subtotal</i>		<i>0.0061</i>	<i>1.10%</i>	<i>100%</i>
<i>Total</i>				-	<i>0.5500</i>	<i>100%</i>	-

Note

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- 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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