



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-SST3M-HF-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Transistor	SOT-23	SST3 (Halogen free)	8.0131	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	4.7581	Silica (amorphous)	60676-86-0	3.5329	44.09%	74.25%
			Epoxy resin I	-	0.4473	5.58%	9.40%
			Epoxy resin II	-	0.1404	1.75%	2.95%
			Aluminum hydroxide	21645-51-2	0.6233	7.78%	13.10%
			Carbon black	1333-86-4	0.0143	0.18%	0.30%
			<i>Subtotal</i>		<i>4.7581</i>	<i>59.38%</i>	<i>100%</i>
2	Lead frame (Base material)	2.6338	Iron (Fe)	7439-89-6	1.5276	19.06%	58.00%
			Nickel (Ni)	7440-02-0	1.1062	13.80%	42.00%
			<i>Subtotal</i>		<i>2.6338</i>	<i>32.87%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.3512	Copper (Cu)	7440-50-8	0.3512	4.38%	100.00%
			<i>Subtotal</i>		<i>0.3512</i>	<i>4.38%</i>	<i>100%</i>
4	External plating	0.1770	Tin (Sn)	7440-31-5	0.1770	2.21%	100.00%
			<i>Subtotal</i>		<i>0.1770</i>	<i>2.21%</i>	<i>100%</i>
5	Die	0.0816	Silicon (Si)	7440-21-3	0.0768	0.96%	94.12%
			Gold (Au)	7440-57-5	0.0048	0.06%	5.88%
			<i>Subtotal</i>		<i>0.0816</i>	<i>1.02%</i>	<i>100%</i>
6	Bonding wire	0.0114	Gold (Au)	7440-57-5	0.0114	0.14%	100.00%
			<i>Subtotal</i>		<i>0.0114</i>	<i>0.14%</i>	<i>100%</i>
			<i>Total</i>	-	<i>8.0131</i>	<i>100%</i>	-

Note
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