

## 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.

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
SIC MOSFET	-	TO-3PFM(Halogen free)	5960.6156	SCT2000Z	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	2831.4762	Silica (amorphous)		60676-86-0	2321.8105	38.95%	82.00%
			Epoxy resin		-	283.1476	4.75%	10.00%
			Phenol-formaldeh	yde resin	-	216.6079	3.63%	7.65%
			Carbon black		1333-86-4	9.9102	0.17%	0.35%
				Subtotal		2831.4762	47.50%	100%
2	Lead frame (Base material)	3070.1458	Copper (Cu)		7440-50-8	3066.3081	51.44%	99.87%
			Tin (Sn)		7440-31-5	3.8377	0.06%	0.13%
				Subtotal		3070.1458	51.51%	100%
3	Lead frame	0.8082	Nickel (Ni)		7440-02-0	0.8082	0.01%	100.00%
	(Surface treatment)			Subtotal		0.8082	0.01%	100%
4	External plating	5.7262	Tin (Sn)		7440-31-5	5.7262	0.10%	100.00%
				Subtotal		5.7262	0.10%	100%
5		10.7614	Silicon Carbide(S	iC)	409-21-2	10.4887	0.18%	97.47%
			Aluminum (Al)		7429-90-5	0.1295	0.002%	1.20%
			Nickel (Ni)		7440-02-0	0.0132	0.0002%	0.12%
	Die		Silver (Ag)		7440-22-4	0.0705	0.001%	0.66%
			Gold (Au)		7440-57-5	0.0179	0.0003%	0.17%
			Titanium(Ti)		7440-32-6	0.0416	0.001%	0.39%
				Subtotal		10.7614	0.18%	100%
6	Die attach	28.5768	Lead (Pb) *1		7439-92-1	25.1476	0.42%	88.00%
			Tin (Sn)		7440-31-5	2.8577	0.05%	10.00%
			Silver (Ag)		7440-22-4	0.5715	0.01%	2.00%
				Subtotal		28.5768	0.48%	100%
7	Bonding wire	13.1211	Aluminum (Al)		7429-90-5	13.1211	0.22%	100.00%
				Subtotal		13.1211	0.22%	100%
				Total	-	5960.6156	100%	-

#### Note

X1 It is exempted from the RoHS, because of the high melting point solder.

### Disclaimer

- •All information in this document is furnished for exploratory or indicative purposes only.
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