

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.

Type Transistor		Pac	Package Code		IM Package	Mass (mg)	Part No.	
		SOT-416(SC-75A)		EMT3		2.4000	-	
Nº	Part Name	Weight (mg)	Substance N	Name	CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	1.1902	Silica (amorphous)		60676-86-0	0.8632	35.97%	72.53%
			Epoxy resin		29690-82-2	0.1603	6.68%	13.47%
			Phenol resin		9003-35-4	0.0986	4.11%	8.28%
			Brominated epoxy	resin	68541-56-0	0.0432	1.80%	3.63%
			Antimony trioxide		1309-64-4	0.0123	0.51%	1.03%
1			Organic phosphor compounds	us	-	0.0062	0.26%	0.52%
			Azo compound*1		-	0.0062	0.26%	0.52%
			Chromium compounds except for hexavalent chromium compounds		-	0.0002	0.01%	0.02%
				Subtotal		1.1902	49.59%	1009
	Lead frame (Base material)	0.9691	Iron (Fe)		7439-89-6	0.5621	23.42%	58.00%
2			Nickel (Ni)		7440-02-0	0.4070	16.96%	42.00%
				Subtotal		0.9691	40.38%	100
3	Lead frame (Surface treatment)	0.1292	Copper (Cu)		7440-50-8	0.1292	5.38%	100.00%
Ŭ				Subtotal		0.1292	5.38%	100
	External plating	0.0508	Tin (Sn)		7440-31-5	0.0490	2.04%	96.50%
4			Silver (Ag)		7440-22-4	0.0015	0.06%	3.00%
·			Copper (Cu)		7440-50-8	0.0003	0.01%	0.50%
				Subtotal		0.0508	2.12%	100
5	Die	0.0529	Silicon (Si)		7440-21-3	0.0480	2.00%	90.74%
			Gold (Au)		7440-57-5	0.0049	0.20%	9.26%
				Subtotal		0.0529	2.20%	100
6	Bonding wire	0.0078	Gold (Au)		7440-57-5	0.0078	0.33%	100.00%
5				Subtotal		0.0078	0.33%	100
				Total	-	2.4000	100%	-

Note

*1 : Not created amine.

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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