

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		Pac	kage Code	ROHM Package		Mass (mg)	Part No.	
Diode		SOT-23		SSD3 (halogen free)		8.0131	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	4.7438	Silica (amorphous	3)	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%
1			Aluminum hydrox	ide	21645-51-2	0.6233	7.78%	13.10%
			Carbon black		1333-86-4	0.0143	0.18%	0.30%
				Subtotal		4.7581	59.38%	1009
	Lead frame (Base material)	2.6338	Iron (Fe)		7439-89-6	1.5276	19.06%	58.00%
2			Nickel (Ni)		7440-02-0	1.1062	13.80%	42.00%
				Subtotal		2.6338	32.87%	100
2	Lead frame (Surface treatment)	0.3512	Copper (Cu)		7440-50-8	0.3512	4.38%	100.00%
3				Subtotal		0.3512	4.38%	100
	External plating	0.1770	Tin (Sn)		7440-31-5	0.1770	2.21%	100.00%
4				Subtotal		0.1770	2.21%	100
	Die	0.0816	Silicon (Si)		7440-21-3	0.0768	0.96%	94.12%
5			Gold (Au)		7440-57-5	0.0048	0.06%	5.88%
				Subtotal		0.0816	1.02%	100
	Bonding wire	0.0114	Copper (Cu)		7440-50-8	0.0112	0.14%	98.00%
6			Palladium (Pd)		7440-05-3	0.0002	0.00%	2.00%
				Subtotal		0.0114	0.14%	98
				Total	-	8.0131	100%	-

Note

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.

•ROHM strives for the accuracy of the information, however, ROHM does not give any representations or warranties as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information.

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