

MATERIAL DECLARATION SHEET



Material Number	SDR7045 Series (471~102)			
Product Line	SMD Power Inductor			
Compliance Date	2024/10/01			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Core	Ferrite	0.33	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0%	34.678	55.93
				Cupric Oxide (CuO)	1317-38-0	10.0%	5.593	
				Zinc oxide (ZnO)	1314-13-2	20.0%	11.186	
				Nickel oxide (NiO)	1313-99-1	8.0%	4.475	
2	Wire	Copper (C11000)	0.114	Copper(Cu)	7440-50-8	99.95%	19.312	19.32
				Misc. ,not to declare	\	0.05%	0.01	
		Resin	0.006	Polyurethane	9009-54-5	100.00%	1.017	1.02
3	Base	LCP	0.07	Aromatic polyester resin	60088-52-0	100.0%	11.864	11.86
		C5191	0.027	Copper (Cu)	7440-50-8	93.5%	4.279	4.58
				Tin (Sn)	7440-31-5	6.2%	0.284	
				Phosphorus(P)	7723-14-0	0.3%	0.014	
4	Terminal	Plating-Sn	0.0024	Tin (Sn)	7440-31-5	100.0%	0.407	0.41
		Plating-Ni	0.0006	Nickel (Ni)	7440-02-0	100.0%	0.102	0.1
5	Adhesive	Epoxy	0.028	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	3.085	4.75
				Calcium carbonate	1317-65-3	35.0%	1.66	

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6	Solder	Tin	0.012	Tin (Sn)	7440-31-5	100.0%	2.034	2.03
		Total weight	0.590					

This Document was updated on: 2024/10/01

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.