

MATERIAL DECLARATION SHEET



Material Number	SDR1305 Series			
Product Line	SMD Power Inductor			
Compliance Date	2026/03/24			
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	1.261	Iron oxide (Fe2O3)	1309-37-1	60.0%	37.83	63.05
				Zinc oxide (ZnO)	1314-13-2	20.0%	6.305	
				Cupric oxide(CuO)	1317-38-0	10.0%	12.61	
				Nickel oxide (NiO)	1313-99-1	10.0%	6.305	
2	Wire	Copper (C11000)	0.39	Copper(Cu)	7440-50-8	99.95%	19.465	19.475
				Misc. ,not to declare	\	0.05%	0.01	
		Resin	0.02	Polyester Resin	9009-54-5	100.0%	1.025	1.025
3	Base	LCP	0.2	Aromatic polyester resin	60088-52-0	70.0%	7.000	10.00
				Glass fiber	65997-17-3	30.0%	3.000	
4	Base	C5191	0.04	Copper (Cu)	7440-50-8	94.97%	1.899	2.00
				Tin (Sn)	7440-31-5	5.00%	0.1	
				Phosphorus(P)	7723-14-0	0.03%	0.001	
		Plating-Sn	0.015	Tin (Sn)	7440-31-5	100%	0.76	0.76
		Plating-Ni	0.004	Nickel (Ni)	7440-02-0	100%	0.19	0.19
5	Adhesive	Epoxy	0.05	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	1.62	2.50
				Calcium carbonate	1317-65-3	35.0%	0.88	
6	Solder	Tin	0.02	Tin (Sn)	7440-31-5	99.0%	0.99	1.00
				Silver(Ag)	7440-22-4	0.5%	0.005	

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				Copper(Cu)	7440-50-8	0.5%	0.005	
		Total weight	2.00					

This Document was updated on: 2026/03/24

Important remarks:

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