

MATERIAL DECLARATION



Material Number	SDR0703 Series			
Product Line	SMD Power Inductor			
Compliance Date	2022/07/08			
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	DR+RI Core	Ferrite	0.156	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0	48.36	78.00
				Zinc oxide (ZnO)	1314-13-2	20.0	7.8	
				Cupric oxide(CuO)	1317-38-0	10.0	15.6	
				Nickel oxide (NiO)	1313-99-1	8.0	6.24	
2	Wire	Copper	0.033	Copper(Cu)	7440-50-8	95.0	15.68	16.50
				Modified Polyester Resin	26680-22-8	5.0	0.83	
3	Adhesive	Epoxy	0.006	Bisphenol A Epoxy Resin	25068-38-6	61.0	1.83	3.00
				Epoxy thinning agent	68609-97-2	5.0	0.15	
				Dicyandiamide	461-58-5	6.0	0.18	
				Carbon Black	1333-86-4	5.0	0.15	
				Aluminum hydroxide	21645-51-2	23.0	0.69	
4	Solder	Tin	0.005	Tin (Sn)	7440-31-5	99.0	2.47	2.50
				Silver(Ag)	7440-22-4	0.5	0.01	
				Copper(Cu)	7440-50-8	0.5	0.01	
		Total weight	0.2					

MATERIAL DECLARATION

BOURNS®

This Document was updated on: 2022/07/08

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.