


MATERIAL DECLARATION



Material Number	SRR1208 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	Since inception			
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	2.7	Iron oxide	1309-37-1	52.0	33.034	63.53
				Zinc oxide	1314-13-2	15.0	9.529	
				Cupric oxide	1317-38-0	17.0	10.800	
				Nickel oxide	1313-99-1	16.0	10.165	
2	WIRE	Copper	0.9	Copper	7440-50-8	95.0	20.118	21.18
				Modified Polyester Resin	-	5.0	1.059	
3	Base	Resin	0.32	Aromatic polyester resin	60088-52-0	65.0	4.894	7.53
				Glass fiber	65997-17-3	34.0	2.560	
				Carbon black	1333-86-4	1.0	0.075	
		Copper	0.12	Copper	7440-50-8	66.3	1.872	2.82
				Zinc	7440-66-6	33.7	0.952	
		Plating	0.010	Tin	7440-31-5	75.0	0.176	0.24
Nickel	7440-02-0			25.0	0.059			
4	Adhesive	Resin	0.03	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.424	0.71
				Dicyandiamide	461-58-5	6.5	0.046	
				Poly urethane	51852-81-4	6.5	0.046	
				Carbon black	1333-86-4	2.5	0.018	
				Silicon dioxide	14808-60-7	24.5	0.173	

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5	Adhesive	Resin	0.14	Bisphenol A Epoxy	25068-38-6	66.0	2.174	3.29
				Dicyandiamide	461-58-5	6.0	0.198	
				Carbon black	1333-86-4	5.0	0.165	
				Aluminum hydroxide	21645-51-2	23.0	0.758	
6	Solder bar	Tin	0.01	Tin	7440-31-5	100.0	0.235	0.24
7	Solder wire	Tin	0.01	Tin	7440-31-5	97.0	0.228	0.24
				Copper	7440-50-8	3.0	0.007	
8	Tape	Tape	0.01	Aramid Paper (e-metaphenylene-diamine)	25765-47-3	38.0	0.090	0.24
				Acrylic adhesive	-	58.0	0.136	
				Antimony trioxide	1309-64-4	4.0	0.009	
		Total weight	4.25					

This Document was updated on: 2020/09/04

Important remarks:

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