


MATERIAL DECLARATION SHEET



Material Number	SRR1210 SERIES			Place picture here 
Product Line	Shielded SMD Power Inductor			
Compliance Date	2020/11/04			
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 CORE +RI CORE	Ferrite	2.906	Iron oxide (Fe2O3)	1309-37-1	62.0	40.04	64.58
				Zinc oxide (ZnO)	1314-13-2	20.0	12.92	
				Cupric oxide(CuO)	1317-38-0	10.0	6.46	
				Nickel oxide (NiO)	1313-99-1	8.0	5.17	
2	WIRE	Copper	1.182	Copper(Cu)	7440-50-8	95.0	24.95	26.27
				Modified Polyester Resin	-	5.0	1.31	
3	Base	Copper	0.254	Copper (Cu)	7440-50-8	93.7	5.29	5.64
				Tin (Sn)	7440-31-5	6.1	0.34	
				Phosphorus(P)	7723-14-0	0.2	0.01	
		Plating	0.021	Tin (Sn)	7440-31-5	80.0	0.37	0.47
Nickel (Ni)	7440-02-0	20.0	0.09					
4	Adhesive	Adhesive	0.006	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.08	0.13
				Catalyst Blend	-	4.0	0.01	
				Limestone	1317-65-3	32.0	0.04	
				Thermoplastic copolymer	-	4.0	0.01	
5	Adhesive	Adhesive	0.119	Bisphenol A Epoxy Resin	25068-38-6	61.0	1.61	2.64
				alkyl glycidyl ether	68609-97-2	5.0	0.13	
				Dicyandiamide	461-58-5	6.0	0.16	

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				Carbon Black	1333-86-4	5.0	0.13	
				Aluminum hydroxide	21645-51-2	23.0	0.61	
6	Solder	Tin	0.012	Tin (Sn)	7440-31-5	100.0	0.27	0.27
		Total weight	4.50					

This Document was updated on: 2020/11/04

Important remarks:

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