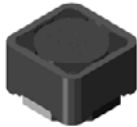


# MATERIAL DECLARATION



Material Number	SRR1280 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	DR +RI CORE	Ferrite	3.020	Iron oxide	1309-37-1	52.0	34.141	65.65
				Zinc oxide	1314-13-2	15.0	9.848	
				Cupric oxide	1317-38-0	17.0	11.161	
				Nickel oxide	1313-99-1	16.0	10.504	
2	WIRE	Copper	1.120	Copper	7440-50-8	95.0	23.130	24.35
				Modified Polyester Resin	-	5.0	1.217	
3	Base	Resin	0.200	Aromatic polyester resin	60088-52-0	65.0	2.826	4.35
				Glass fiber	65997-17-3	34.0	1.478	
				Carbon Black	1333-86-4	1.0	0.043	
		Copper	0.060	Copper	7440-50-8	93.6	1.221	1.30
				Tin	7440-31-5	6.2	0.081	
				Phosphorus	7723-14-0	0.2	0.003	
		Plating	0.010	Tin	7440-31-5	80.0	0.174	0.22
Nickel	7440-02-0			20.0	0.043			
4	Adhesive	Resin	0.055	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.717	1.20
				Dicyandiamide	461-58-5	6.5	0.078	
				Poly urethane	51852-81-4	6.5	0.078	
				Carbon Black	1333-86-4	2.5	0.030	
				Silicon dioxide	14808-60-7	24.5	0.293	

# MATERIAL DECLARATION



5	Adhesive	Resin	0.100	Bisphenol A Epoxy Resin	25068-38-6	66.0	1.435	2.17
				Dicyandiamide	461-58-5	6.0	0.130	
				Carbon Black	1333-86-4	5.0	0.109	
				Aluminum hydroxide	21645-51-2	23.0	0.500	
6	Tape	Tape	0.005	Aramid Paper e-metaphenylene-diamine)	25765-47-3	38.0	0.041	0.11
				Acrylic adhesive	-	58.0	0.063	
				Antimony trioxide	1309-64-4	4.0	0.004	
7	Solder	Tin	0.03	Tin	7440-31-5	100.0	0.652	0.65
			Total weight	<b>4.60</b>				

**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.