


# MATERIAL DECLARATION SHEET



Material Number	SRR1205 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2014/11/25			
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	Ferrite Material	DL5	1.625	Iron oxide (Fe2O3)	1309-37-1	52.0	33.399	64.23
				Zinc oxide (ZnO)	1314-13-2	15.0	9.634	
				Cupric oxide(CuO)	1317-38-0	17.0	10.919	
				Manganese oxide(MnO)	1344-43-0	16.0	10.277	
2	Winding Wire	2SFBW	0.4	Copper(Cu)	7440-50-8	95.0	15.020	15.81
				Modified Polyester Resin	68604-67-1	5.0	0.791	
3	Base	LCP-E4008	0.25	Aromatic polyester resin	60088-52-0	70.0	6.917	9.88
				Glass fiber	65997-17-3	30.0	2.964	
4	Terminal	C2680	0.09	Copper (Cu)	7440-50-8	66.3	2.358	3.56
				Zinc(Zn)	7440-66-6	33.7	1.199	
		Plating	0.01	Tin (Sn)	7440-31-5	75.0	0.296	0.40
				Nickel (Ni)	7440-02-0	25.0	0.099	
5	Adhesive	6020H-2-NH	0.04	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.886	1.58
				Dicyandiamide	461-58-5	6.5	0.032	
				Poly urethane	51852-81-4	6.5	0.158	
				Carbon Black	1333-86-4	2.5	0.079	
				Silicon dioxide	14808-60-7	24.5	0.427	
6	Adhesive	6020H-6-QR-NH	0.09	Bisphenol A Epoxy Resin	25068-38-6	61.0	2.099	3.56
				alkyl glycidyl ether	68609-97-2	5.0	0.142	
				Dicyandiamide	461-58-5	6.0	0.356	
				Carbon Black	1333-86-4	5.0	0.178	
				Aluminum hydroxide	21645-51-2	23.0	0.783	
7	Solder	100H	0.01	Tin (Sn)	7440-31-5	100.0	0.395	0.40
8	Solder	0030	0.015	Tin (Sn)	7440-31-5	97.0	0.575	0.59
				Copper (Cu)	7440-50-8	3.0	0.018	
			Total weight	<b>2.53</b>				

This Document was updated on: 2014/11/25

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