


# MATERIAL DECLARATION



Material Number	SDR0302 series			
Product Line	SMD Power Inductor			
Compliance Date	2016/12/14			
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	0.05	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	60.0	37.5	62.5
				Nickel oxide (NiO)	1313-99-1	10.0	6.3	
				Zinc oxide (ZnO)	1314-13-2	20.0	12.5	
				Cupric oxide (CuO)	1317-38-0	10.0	6.3	
2	Glaze	Frit	0.003	Frit	-	65.0	2.44	3.75
				Ethyl Cellulose	9004-57-3	10.0	0.38	
				Diethylene Glycol mono-butyl Ether	112-34-5	25.0	0.94	
3	Winding Wire	Copper Wire	0.019	Copper	7440-50-8	95.0	22.6	23.75
				Polyurethane resin	9009-54-5	5.0	1.2	
4	Terminal	Plating	0.002	Silver (Ag)	7440-22-4	46.0	1.2	2.50
				Nickel (Ni)	7440-02-0	18.0	0.5	
				Tin (Sn)	7440-31-5	36.0	0.9	
5	Solder	Sn/Ag/Cu	0.006	Tin (Sn)	7440-31-5	96.5	7.24	7.50
				Silver (Ag)	7440-22-4	3.0	0.23	
				Copper (Cu)	7440-50-8	0.5	0.04	
			Total weight	0.08				

This Document was updated on: 2019/1/14

**Important remarks:**

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