

MATERIAL DECLARATION SHEET



Material Number	6100 series (182~183)			
Product Line	Radial Inductor			
Compliance Date	2022/05/20			
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	1.85	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0	32.31	52.11
				Zinc oxide (ZnO)	1314-13-2	20.0	10.42	
				Cupric oxide(CuO)	1317-38-0	10.0	5.21	
				Nickel oxide (NiO)	1313-99-1	8.0	4.169	
2	Lead Wire	CP WIRE	0.15	Iron (Fe)	7439-89-6	76.0	3.211	4.23
				Copper (Cu)	7740-50-8	20.0	0.845	
				Tin (Sn)	7440-31-5	3.7	0.155	
				Nickel (Ni)	7740-02-0	0.3	0.013	
3	WIRE	Copper	1.3	Copper(Cu)	7440-50-8	95.0	34.8	36.62
				Polyurethane resin	-	5.0	1.82	
4	Adhesive	Adhesiv	0.03	Epoxy Resin	25068-38-6	50.0	0.42	0.85
				Epoxide Diluent	26761-45-5	7.0	0.06	
				Dicyandiamide	461-58-5	6.0	0.05	
				Calcium carbonate	471-34-1	20.0	0.17	
				Aluminium hydroxide	21645-51-2	15.0	0.13	
				Carbon Black	1333-86-4	2.0	0.02	
5	Solder	Tin	0.04	Tin (Sn)	7440-31-5	100.0	1.127	1.13
6	Tube	NHR2	0.17	Polyethylene	9002-88-4	55.0	2.63	4.78
				Magnesium Hydroxide	1309-42-8	38.0	1.82	
				Carbon black	1333-86-4	4.0	0.19	

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				Phosphorous	7723-14-0	3.0	0.14	
7	Marking	Ink	0.01	Titanium dioxide	13463-67-7	93.0	0.26	0.28
				Silica	112945-52-5	7.0	0.03	
		Total weight	3.55					

This Document was updated on: 2022/05/20

Important remarks:

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