

MATERIAL DECLARATION SHEET



Material Number	RLB9012 & 6000 Series (1R0~103)			
Product Line	Radial Inductor			
Compliance Date	2016/04/27			
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	1.213	Iron oxide (Fe ₂ O ₃)	1309-37-1	52.0	32.92	63.31
				Zinc oxide (ZnO)	1314-13-2	15.0	9.50	
				Cupric oxide(CuO)	1317-38-0	17.0	10.76	
				Manganese oxide(MnO)	1344-43-0	16.0	10.13	
2	Lead Wire	CP WIRE	0.100	Iron (Fe)	7439-89-6	76.0	3.97	5.22
				Copper (Cu)	7740-50-8	20.0	1.04	
				Tin (Sn)	7440-31-5	3.7	0.19	
				Nickel (Ni)	7740-02-0	0.3	0.02	
3	WIRE	Copper Wire	0.450	Copper(Cu)	7440-50-8	95.0	22.31	23.49
				Polyester Resin	9009-54-5	5.0	1.17	
4	Adhesive	Adhesive	0.052	Epoxy Resin	25085-99-8	57.0	1.36	2.71
				Dicyandiamide	461-58-5	8.0	0.22	
				Calcium carbonate	471-34-1	35.0	0.95	
5	Solder	Solder	0.064	Tin (Sn)	7440-31-5	100.0	3.34	3.34
6	Tube	Polyethylene	0.036	Polyethylene	9002-88-4	55.0	1.03	1.88
				Magnesium Hydroxide	1309-42-8	38.0	0.71	
				Carbon black	1333-86-4	4.0	0.08	
				Phosphorous	7723-14-0	3.0	0.06	
7	Ink	white ink	0.001	Titanium dioxide	1317-70-0	91.00	0.046	0.05
				Silica	14464-46-1	7.00	0.003	

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BOURNS®

				Cobalt Naphthenate	61789-51-3	2.00	0.001	
		Total weight	1.92					

This Document was updated on: 2018/07/26

Important remarks:

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