


# MATERIAL DECLARATION SHEET



Material Number	SRU8043 series (1R0 · 3R3 · 6R8~101)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2021/03/22			
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 Core/RI Core	TN65H	0.72	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	65.0	52.000	80.0
				Nickel oxide (NiO)	1313-99-1	12.5	10.000	
				Zinc oxide (ZnO)	1314-13-2	18.0	14.400	
				Cupric oxide(CuO)	1317-38-0	4.5	3.600	
2	Wire	P180-G2	0.10	Copper(Cu)	7440-50-8	95.0	10.556	11.11
				Polyurethane resin	9009-54-5	5.0	0.556	
3	Adhesive	6020H-6-QR-NH	0.04	Bisphenol A Epoxy Resin	25068-38-6	61.0	2.711	4.44
				alkyl glycidyl ether	68609-97-2	5.0	0.222	
				Dicyandiamide	461-58-5	6.0	0.266	
				Carbon Black	1333-86-4	5.0	0.222	
				Aluminum hydroxide	21645-51-2	23.0	1.022	
4	Terminal	plating	0.01	Silver(Ag)	7440-22-4	65.0	0.722	1.11
				Nickel (Ni)	7440-02-0	14.0	0.156	
				Tin (Sn)	7440-31-5	21.0	0.233	
5	Solder wire	0505	0.03	Tin (Sn)	7440-31-5	99.0	3.300	3.33
				Silver(Ag)	7440-22-4	0.5	0.017	
				Copper(Cu)	7440-50-8	0.5	0.017	
		Total weight	0.9					

This Document was updated on: 2021/02/22

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**Important remarks:**

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