


# MATERIAL DECLARATION SHEET

# BOURNS®

Material Number	SRU8045A Series (470Y-101Y)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2016/06/07			
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	F5H	0.43	Iron oxide	1309-37-1	63.0	27.090	43.0
				Nickel oxide	1313-99-1	12.0	5.160	
				Zinc oxide	1314-13-2	20.0	8.600	
				Cupric oxide	1317-38-0	5.0	2.150	
2	RI CORE	T12	0.40	Iron oxide	1309-37-1	64.0	25.600	40.0
				Nickel oxide	1313-99-1	10.0	4.000	
				Zinc oxide	1314-13-2	20.0	8.000	
				Cupric oxide	1317-38-0	6.0	2.400	
3	WIRE	P180	0.10	Copper	7440-50-8	95.0	9.500	10.0
				Polyurethane resin	9009-54-5	5.0	0.500	
4	Adhesive	6020H-6-QR-NH	0.005	Bisphenol A Epoxy Resin	25068-38-6	59.0	0.295	0.5
				Alkyl glycidyl ether	68609-97-2	4.0	0.020	
				Methyl imidazole	693-98-1	10.0	0.050	
				Carbon Black	1333-86-4	5.0	0.025	
				Aluminum hydroxide	21645-51-2	22.0	0.110	
5	Terminal	plating	0.015	Silver	7440-22-4	46.0	0.690	1.5
				Nickel	7440-02-0	18.0	0.270	
				Tin	7440-31-5	36.0	0.540	
6	Solder wire	0505H	0.05	Tin	7440-31-5	99.0	4.950	5.0
				Silver	7440-22-4	0.5	0.025	
				Copper	7440-50-8	0.5	0.025	
			Total weight	1.0				

# MATERIAL DECLARATION SHEET

**BOURNS®**

---

**This Document was updated on: 2016/06/07**

**Important remarks:**

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