


MATERIAL DECLARATION SHEET



Material Number	SRU5018 Series (100~680)			Place picture here 
Product Line	Shielded SMD Power Inductor			
Compliance Date	2014/07/08			
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	F5H	0.104	Iron oxide (Fe ₂ O ₃)	1309-37-1	63.0%	38.54%	61.18%
				Nickel oxide (NiO)	1313-99-1	12.0%	7.34%	
				Zinc oxide (ZnO)	1314-13-2	20.0%	12.24%	
				Cupric oxide(CuO)	1317-38-0	5.0%	3.06%	
2	WIRE	P180-G2	0.027	Copper(Cu)	7440-50-8	95.0%	15.09%	15.88%
				Polyurethane resin	9009-54-5	5.0%	0.79%	
3	Adhesive	6020H-6-QR-NH	0.0138	Bisphenol A Epoxy Resin	25068-38-6	58.0%	4.71%	8.12%
				.Epoxy thinning agent	68609-97-2	4.0%	0.32%	
				Potential hardener	693-98-1	10.0%	0.81%	
				Additive	108-88-3	1.0%	0.08%	
				Colour	1333-86-4	5.0%	0.41%	
				Filler	7631-86-9	22.0%	1.79%	
4	Terminal	-	0.006	Silver(Ag)	7440-22-4	46.0%	1.62%	3.53%
				Nickel (Ni)	7440-02-0	18.0%	0.64%	
				Tin (Sn)	7440-31-5	36.0%	1.27%	
5	Solder bar	308H	0.009	Tin (Sn)	7440-31-5	96.50%	5.11%	5.29%
				Silver(Ag)	7440-22-4	3.00%	0.16%	
				Copper(Cu)	7440-50-8	0.50%	0.03%	
6	Solder	0505	0.01	Tin (Sn)	7440-31-5	99.0%	5.82%	5.88%

MATERIAL DECLARATION



				Silver(Ag)	7440-22-4	0.5%	0.029%	
				Copper(Cu)	7440-50-8	0.5%	0.029%	
7	Ink	BON MARQUE Black	0.0002	Cyclic isoprene modified phenol	68441-13-4	13.00%	0.015%	0.12%
				Phenolic modified rosin	-	13.00%	0.015%	
				Alkyd modified linseed oil	-	10.00%	0.012%	
				Carbon black	1333-86-4	15.00%	0.018%	
				C.I.Pigment Blue 15 : 3	147-14-8	10.00%	0.012%	
				C.I.Pigment Red 48 : 3	15782-05-5	7.00%	0.008%	
				Linseed oil	8001-26-1	15.00%	0.018%	
				Carbitol derivative	124-17-4	16.00%	0.019%	
				Co Naphthenate	61789-51-3	1.00%	0.001%	
						Total weight	0.17	

This Document was updated on: 2014/07/08

Important remarks:

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