


# MATERIAL DECLARATION SHEET



Material Number	SRP0420 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2019 / 08 / 26			
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	Magnetic alloy powder	0.161	Iron	7439-89-6	56.70	45.644	80.50
				Silicon	7440-21-3	9.50	7.648	
				Chromium	7440-47-3	7.50	6.038	
				Oxygen	7782-44-7	1.50	1.208	
				Carbon	7440-44-0	0.90	0.725	
				Sulphur	7704-34-9	0.90	0.725	
				Phenol formaldehyde	9003-35-4	9.50	7.648	
				Phosphoric acid	7664-38-2	4.50	3.623	
				Epoxy	25036-25-3	4.50	3.623	
				Polyester	70729-94-1	4.50	3.623	
2	Wire	EDFB-X	0.026	Copper	7440-50-8	92.5	12.025	13.00
				Polyamide Resin	63428-83-1	5.0	0.650	
				Acryl Resin	-	2.5	0.325	
3	Terminal	Ag. C1100	0.01	Copper	7440-50-8	97.5	4.875	5.00
				Silver	7440-22-4	2.5	0.125	
4	Adhesive	JD034-6	0.002	Epoxy resin 1	25085-99-8	25.0	0.250	1.00
				Epoxy resin 2	-	19.0	0.190	
				Dicyanodiamide	461-58-5	8.0	0.080	
				Polyamine	-	5.0	0.050	
				Fumed silica	112945-52-5	1.0	0.010	
Silica	7631-86-9	42.0	0.420					

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5	Mark Seal	TAT INDELIBLE INK - STSG	0.001	Synthetic resin	-	75.0	0.375	0.50
				Carbon black	1333-86-4	25.0	0.125	
		Total weight	<b>0.20</b>					

**This Document was updated on: 2019/08/26**

**Important remarks:**

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