


# MATERIAL DECLARATION SHEET



Material Number	SRP0412F Series			
Product Line	Power Inductor			
Compliance Date	2024/07/03			
RoHS Compliant	Yes	MSL	Level 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	Alloy Body	Alloy Powder	0.065835	Iron	7439-89-6	93.800	58.813	62.70
				Silicon	7440-21-3	4.200	2.633	
				Chromium	7440-47-3	2.000	1.254	
2	Enameled wire	Metal wire_SFT-AIW/SB	0.02142	Copper	7440-50-8	100.000	20.400	21.50
		Coating on metal wire_SFT-AIW/SB	0.001155	Polyamideimide Resin	63428-84-2	100.000	1.100	
3	Terminal-Clip	Copper	0.0160545	Copper	7440-50-8	100.000	15.290	15.30
		Nickel plating	0.0000042	Nickel	7440-02-0	100.000	0.004	
		Sn plating	0.0000063	Tin	7440-31-5	100.000	0.006	
4	Marking	Hitachi IJ Printer INK	0.000525	ChromeIII-Complex Dye	117527-94-3	100.000	0.500	0.50
Total weight			<b>0.105</b>					

**This Document was updated on: 2024/07/03**

**Important remarks:**

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