

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRP3212CL-R47M			
Product Line	Power Inductor			
Compliance Date	2024/12/03			
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	Nanocrystalline Body	Nanocrystalline Powder	0.0417423	Iron	7439-89-6	85.060	58.207	68.43
				Silicon	7440-21-3	6.500	4.448	
				Niobium	7440-03-1	4.300	2.942	
				Chromium	7440-47-3	1.870	1.280	
				Boron	7440-42-8	1.400	0.958	
				Copper	7440-50-8	0.870	0.595	
2	Enameled wire	Metal wire	0.01737585	Copper	7440-50-8	100.000	28.485	30.00
		Coating on metal wire	0.00092415	Polyamide Resin	63428-84-2	100.000	1.515	
3	Terminal-Plating Cu	Oxygen-free Copper	0.000061	Copper	7440-50-8	100.000	0.100	0.10
4	Terminal-Plating Ni	S Nickel Pellets	0.0001891	Nickel	7440-02-0	100.000	0.310	0.31
5	Terminal-Plating Sn	Lead Free Solder	0.0001891	Tin	7440-31-5	100.000	0.310	0.31
6	Insulating	INK	0.0005185	Polymer with(chloromethyl)oxirane	25068-38-6	42.308	0.360	0.85
				Amino resin	9003-08-1	11.538	0.098	
				Carbon Black	1333-86-4	46.154	0.392	
		Total weight	0.061					

This Document was updated on: 2024/12/03

Important remarks:

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