


MATERIAL DECLARATION SHEET



Material Number	SRP2512A series			
Product Line	Power Chip Inductor			
Compliance Date	2020/1/16			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Wire_Cu	Copper	8.9190	Copper	7440-50-8	97.6	26.24	26.24
2	Wire_Coating	Coating	0.9178	Resin	37317-16-1	2.4	2.7	2.7
3	Core	Core	20.0882	Iron	7439-89-6	84.68	59.1	59.2
			0.2277	Carbon	7440-44-0	0.97	0.67	0.67
			1.4922	Silicon	7440-21-3	6.29	4.39	4.39
			0.5779	Chromium (Non-Cr6+)	7440-47-3	2.42	1.7	1.7
			0.5779	Boron	7440-42-8	2.42	1.7	1.7
			0.7648	Polymer(Epoxy)	25068-38-6	3.22	2.25	2.25
4	Overcoat	Overcoat	0.2890	Polymer(Epoxy)	182697-62-7	100	0.85	0.85
5	Terminations	Terminations	0.0338	Copper	7440-50-8	100	0.1	0.1
6	Conductor Layer	Conductor Layer	0.0339	Silver	7440-22-4	100	0.1	0.1
7	External electrode_Ni	External electrode_Ni	0.0373	Nickel	7440-02-0	100	0.11	0.11
8	External electrode_Sn	External electrode_Sn	0.0305	Tin	7440-31-5	100	0.09	0.09
			Total weight				33.99	

This Document was updated on: 2020/1/16

Important remarks:

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