


# MATERIAL DECLARATION SHEET



Material Number	CWP3230A-470M			
Product Line	Power Inductor			
Compliance Date	2022/04/12			
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	Ferrite body	Ferrite Ni-Zn Series	0.08765	Iron oxide	1309-37-1	62.000	54.34300	87.65
				Nickel oxide	1313-99-1	11.000	9.64150	
				Zinc oxide	1314-13-2	20.000	17.53000	
				Copper oxide	1317-38-0	7.000	6.13550	
2	Copper/ Coating	Copper Wire	0.0052	Copper	7440-50-8	100.000	5.20192	5.38
		Polyurethane-Based Insulation Varnish_P180	0.000178	Polyurethane Resin	26680-22-8	100.000	0.17808	
3	Terminal	Silver paste_DP4303W	0.00197	Silver	7440-22-4	73.700	1.45189	1.97
				Silicon dioxide	60676-86-0	15.800	0.31126	
				Resins	9004-57-3	10.500	0.20685	
4	Solder Base	S Nickel Pellets	0.001	Nickel	7440-02-0	100.000	1.00000	1.00
5	Solder	Lead Free Solder	0.001	Tin	7440-31-5	100.000	1.00000	1.00
6	Adhesive	EPOXY_ME-5890LC	0.003	Epoxy resin	61788-97-4	50.000	1.50000	3.00
				Carbon black	1333-86-4	46.000	1.38000	
				Acrylated Aliphatic Urethane	68987-79-1	4.000	0.12000	
Total weight			0.10					

**This Document was updated on: 2024/1/2**

**Important remarks:**

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