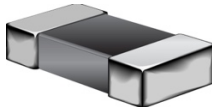


MATERIAL DECLARATION SHEET



Material Number	MH4516 Series			
Product Line	Ferrite Chip Bead			
Compliance Date	2022/04/07			
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	0.04335	Iron oxide	1309-37-1	62.000	52.700	85.00
				Nickel oxide	1313-99-1	11.000	9.350	
				Zinc oxide	1314-13-2	20.000	17.000	
				Copper oxide	1317-38-0	7.000	5.950	
2	Internal Circuit	Silver paste_7454B	0.0051	Silver	7440-22-4	94.565	9.457	10.00
				Resins	9004-57-3	5.435	0.544	
3	Terminal	Silver paste_DP4303W	0.00153	Silver	7440-22-4	73.700	2.211	3.00
				Silicon dioxide	60676-86-0	15.800	0.474	
				Resins	9004-57-3	10.500	0.315	
4	Solder Base	S Nickel Pellets	0.00051	Nickel	7440-02-0	100.000	1.000	1.00
5	Solder	Lead Free Solder	0.00051	Tin	7440-31-5	100.000	1.000	1.00
			Total weight	0.051				

This Document was updated on: 2022/04/07

Important remarks:

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