


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	MH4532 Series			
Product Line	Ferrite Chip Bead			
Compliance Date	2011/01/06			
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	0.09605	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	0.0113	Silver	7440-22-4	87.000	8.700	10.00
				Resins	9004-57-3	13.000	0.500	
3	Terminal	Silver paste_DP4303W	0.00339	Silver	7440-22-4	70.000	2.100	3.00
				Quartz	60676-86-0	15.000	0.450	
				Resins	9004-57-3	15.000	0.300	
4	Solder Base	Nickel	0.00113	Nickel	7440-02-0	100.000	1.000	1.00
5	Solder	Lead Free Solder	0.00113	Tin	7440-31-5	100.000	1.000	1.00
Total weight			0.113					

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