

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CC453232 Series			
Product Line	Wound Chip Inductor			
Compliance Date	2025/07/22			
RoHS Compliant	Yes	MSL	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	Core	Ferrite	0.03	Iron oxide (Fe ₂ O ₃)	1309-37-1	66.0%	18.0	27.27
				Nickel oxide (NiO)	1313-99-1	8.00%	2.18	
				Zinc oxide (ZnO)	1314-13-2	22.0%	6.00	
				Copper oxide(CuO)	1317-38-0	4.00%	1.09	
2	Wire	COPPER	0.015	Copper(Cu)	7440-50-8	99.95%	13.63	13.64
				Misc. ,not to declare	\	0.05%	0.01	
		RESIN	0.001	Polyesterimide	37317-16-1	100.0%	0.91	0.91
		COPPER	0.034	Copper (Cu)	7440-50-8	100.0%	30.91	31.91
3	Terminal	plating-Sn	0.001	Tin (Sn)	7440-31-5	100.0%	0.9	0.9
4	Adhesive	Epoxy	0.015	Bisphenol A diglycidyl ether	25068-38-6	72.0%	9.82	13.64
				Polyacrylic acid; 2-Propenoic acid homopolymer; A	9003-01-4	1.00%	0.14	
				Titanium Dioxide	13463-67-7	2.00%	0.27	
				Silicon dioxide	14808-60-7	25.0%	3.41	
5	Molding Compound	Resin	0.01	silica	60676-86-0	69.0%	6.27	9.09
				Antimony(III) oxide	1309-64-4	2.50%	0.23	
				Formaldehyde, polymer with 2-(chloromethyl)oxirane and 2-methylphenol	29690-82-2	15.0%	1.36	
				Phenol- Formaldehyde Resin	9003-35-4	10.0%	0.91	
				Brominated epoxy resin	40039-93-8	2.50%	0.23	
				Carbon black	1333-86-4	1.00%	0.09	
6	Solder Bar	Tin	0.002	Tin (Sn)	7440-31-5	100.0%	1.82	1.82
7	Solder Wire	Tin	0.002	Tin (Sn)	7440-31-5	100.0%	1.82	1.82

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Total weight	0.11
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This Document was updated on: 2025/07/22

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.