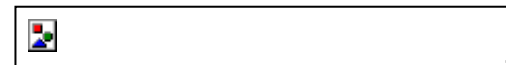


# MATERIAL DECLARATION SHEET



Material Number	PM1812 Series (151-102)			
Product Line	Wound Chip Inductor			
Compliance Date	10-17-2010			
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	Ferrite Material	Ferrite	0.03	Iron oxide	1309-37-1	63.0	17.19	27.274
				Nickel oxide	1313-99-1	12.0	3.27	
				Zinc oxide	1314-13-2	18.0	4.91	
				Copper oxide	1317-38-0	7.0	1.91	
2	Winding Wire	Copper	0.015	Copper	7440-50-8	95.0	12.95	13.636
				Polyesterimide	37137-16-1	5.0	0.68	
3	Terminal	Copper	0.035	Copper	7440-50-8	95.0	30.23	31.818
				Tin	7440-31-5	5.0	1.59	
4	Adhesive	Resin	0.013	Epoxy Resin	25068-38-6	65.0	7.68	11.818
				Dicyanodiamide	461-58-5	6.0	0.71	
				Titanium dioxide	13463-67-7	4.0	0.47	
				Silicon dioxide	731-86-9	19.0	2.25	

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6	Molding Compound	Silica	0.005	Silicon dioxide	60676-86-0	69.0	3.14	4.545
				Antimony trioxide	1309-64-4	2.5	0.11	
				Phenol-formaldehyde resin	29690-82-2	15.0	0.68	
				Phenol-Formaldehyde Resin	9003-35-4	10.0	0.45	
				Brominated epoxy resin	40039-93-8	2.5	0.11	
				Carbon black	1333-86-4	1.0	0.05	
7	Varnish	Resin	0.009	Synthetic resin	63148-69-6	100.0	8.182	8.182
8	Solder	Tin	0.003	Tin	7440-31-5	100.0	2.73	2.727
			Total weight			<b>0.11</b>		

**This Document was updated on: 2020/12/24**

**Important remarks:**

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

# MATERIAL DECLARATION SHEET

**BOURNS®**

- a. "Compliance Date" is not the date supplier submits the MDS, but when the product was first compliant with RoHS.
- b. "This Document was updated on:" is where we indicate when supplier submits the MDS. All previous MDS must be archived for traceability in the future.
- c. Material weights for components less than 100mg (most Semiconductor products) should be listed in milligrams. This avoids all those zeros and round off issues.