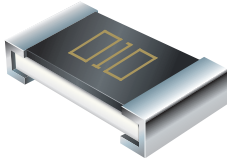


# MATERIAL DECLARATION SHEET



Material Number	CFN0805 Series			
Product Line	<b>Current Sensing Resistors</b>			
Compliance Date	2018/07/04			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Substrate	ceramic	3.690	Aluminum oxide	1344-28-1	96%	54.71%	56.99%
				Silicon dioxide	14808-60-7	4%	2.28%	
2	Adhesive Layer	epoxy	0.0410	Epoxy	25068-38-6	100%	0.63%	0.63%
3	Resistive Element	Mn/Cu	0.9779	Copper	7440-50-8	86%	12.99%	15.10%
				Manganese	7439-96-5	12%	1.81%	
				Nickel	7440-02-0	2%	0.30%	
4	Over-Coating (Black)	Resin	0.1559	Novolac resin	29690-82-2	100%	2.41%	2.41%
5	Marking	Epoxy	0.0024	Epoxy	25068-38-6	100%	0.04%	0.04%
6	Over-Coating (Blue)	Epoxy	0.0641	Epoxy	9300-19-4	38%	0.38%	0.99%
				Epoxy	68609-31-4	25%	0.25%	
				Silicon	7631-86-9	37%	0.37%	
7	Over-Coating (White)	Epoxy	0.0451	Epoxy	64742-94-5	50%	0.35%	0.70%
				Titanium dioxide	13463-67-7	50%	0.35%	
8	End Terminal	NiCr alloy	0.0157	Nickel	7440-02-0	80%	0.19%	0.24%
				Chromium	7440-47-3	20%	0.05%	
9	Plating Cu	Copper	0.9670	Copper	7440-50-8	100%	14.93%	14.93%
10	Plating Ni	Nickel	0.2578	Nickel	7440-02-0	100%	3.98%	3.98%
11	Plating Sn	Tin	0.2582	Tin	7440-31-5	100%	3.98%	3.99%

# MATERIAL DECLARATION SHEET

**BOURNS®**

TOTAL WEIGHT	6.4751
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**This Document was updated on: 2018/07/04**

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