

# MATERIAL DECLARATION SHEET



Material Number	CFN0402 Series			
Product Line	Current Sensing Resistors			
Compliance Date	2020/11/27			
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	CRXXXX	0.987483	Aluminum oxide	1344-28-1	96%	54.99%	57.28%
				Silicon dioxide	14808-60-7	4%	2.29%	
2	Adhesive Layer	T99ZXXXX	0.010485	Epoxy	25068-38-6	70%	0.43%	0.61%
				Trimethylolpropane triglycidyl ether	30499-70-8	15%	0.09%	
				Diuron	330-54-1	15%	0.09%	
3	Resistive Element	Mn/Cu	0.260661	Copper	7440-50-8	86%	13%	15.12%
				Manganese	7439-96-5	12%	1.81%	
				Nickel	7440-02-0	2%	0.30%	
4	Over-Coating (Black)	AZZ.002.1057 A	0.038099	Epoxy	29690-82-2	100%	2.21%	2.21%
5	Over-Coating (Blue)	AZZ.002.3325	0.017067	Epoxy	9300-19-4	38%	0.38%	0.99%
				Epoxy	68609-31-4	25%	0.25%	
				Silicon dioxide	7631-86-9	37%	0.37%	
6	Over-Coating (White)	WXX	0.012067	Epoxy	64742-94-5	50%	0.35%	0.70%
				Titanium dioxide	13463-67-7	50%	0.35%	
7	End Terminal	AZZ.003.0048	0.004183	Nickel	7440-02-0	80%	0.19%	0.24%
				Chromium	7440-47-3	20%	0.05%	

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8	Plating Cu	Cu	0.256582	Copper	7440-50-8	100%	14.88%	14.88%
9	Plating Ni	Ni	0.068459	Nickel	7440-02-0	100%	3.97%	3.97%
10	Plating Sn	Sn	0.068868	Tin	7440-31-5	100%	3.99%	3.99%
		<b>TOTAL WEIGHT</b>	<b>1.723954</b>					

**This Document was updated on:** 2020/11/27

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