

MATERIAL DECLARATION SHEET



Material Number	CFN0603 Series			
Product Line	Current Sense Resistors			
Compliance Date	2020/07/06			
RoHS Compliant	Yes	MSL	1/2/3	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total uNickelt wt.	Subpart mass of total wt. (%)
1	Ceramic Substrate	Ceramic Substrate	1.88458852	Aluminum oxide	1344-28-1	96%	54.74%	57.02%
				Silicon dioxide	14808-60-7	4%	2.28%	
2	Adhesive Layer	Adhesive Layer	0.02097000	Epoxy	25068-38-6	70%	0.44%	0.63%
				Trimethylolpropane triglycidyl ether	30499-70-8	15%	0.10%	
				Diuron	330-54-1	15%	0.10%	
3	Resistive Element	Mn/Copper	0.49932344	Copper	7440-50-8	86%	12.99%	15.11%
				Manganese	7439-96-5	12%	1.81%	
				Nickel	7440-02-0	2%	0.30%	
4	Over-Coating (Black)	Epoxy	0.07967869	Epoxy	29690-82-2	100%	2.41%	2.41%
5	Over-Coating (Blue)	Epoxy	0.03266066	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)	Epoxy	0.02316066	Epoxy	64742-94-5	50%	0.35%	0.70%
				Titanium dioxide	13463-67-7	50%	0.35%	
7	End Terminal	End Terminal	0.00801779	Nickel	7440-02-0	80%	0.19%	0.24%

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				Chromium	7440-47-3	20%	0.05%	
8	Plating Copper	Copper	0.49338361	Copper	7440-50-8	100%	14.93%	14.93%
9	Plating Nickel	Nickel	0.13155984	Nickel	7440-02-0	100%	3.98%	3.98%
10	Plating Tin	Tin	0.13197615	Tin	7440-31-5	100%	3.98%	3.99%
		TOTAL WEIGHT	3.30535868					

This Document was updated on: 2020/07/06

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