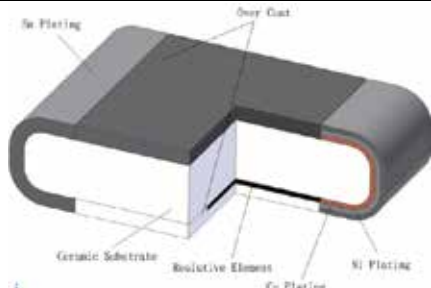


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CFG0612 Series			
Product Line	Current Sensing Resistors			
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	CRXXXX	7.93500000	Aluminum oxide	1344-28-1	96%	54.71%	56.99%
				Silicon dioxide	14808-60-7	4%	2.28%	
2	Adhesive Layer	T99ZXXXX	0.08820000	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/Cu	2.10300000	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)	AZZ.002.1057A	0.33520000	Epoxy	29690-82-2	100%	2.41%	2.41%
5	Marking	ZSR-1XX	0.00528000	Epoxy	25068-38-6	100%	0.04%	0.04%
6	Over-Coating (Blue)	AZZ.002.3325	0.13813066	Epoxy	68609-31-4	63%	0.62%	0.99%
				Silicon dioxide	7631-86-9	37%	0.37%	
7	Over-Coating (White)	WXX	0.09687400	Epoxy	64742-94-5	50%	0.35%	0.70%
				Titanium dioxide	13463-67-7	50%	0.35%	

MATERIAL DECLARATION SHEET

8	End Terminal	AZZ.003.0048	0.03373000	Nickel	7440-02-0	80%	0.19%	0.24%
				Chromium	7440-47-3	20%	0.05%	
9	Plating Cu	Copper	2.07940000	Copper	7440-50-8	100%	14.93%	14.93%
10	Plating Ni	Nickel	0.55430000	Nickel	7440-02-0	100%	3.98%	3.98%
11	Plating Sn	Tin	0.55521000	Tin	7440-31-5	100%	3.98%	3.99%
TOTAL WEIGHT			13.92432					

This Document was updated on: 2025/05/21

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