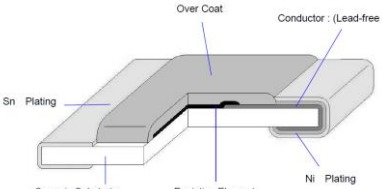


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CRL2010 (0.1~0.91Ω) Series			
Product Line	Current Sensing Resistors			
Compliance Date	2018/10/05			
RoHS Compliant	Yes	MSL	1/2/3	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Material s Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Substrate	Ceramic Substrate	21.845849	Aluminum oxide	1344-28-1	96%	81.47%	84.86%
				Silicon dioxide	14808-60-7	4%	3.39%	
2	Conductor Layer	Conductor Layer	0.6435850	Silver	7440-22-4	95%	2.38%	2.50%
				Glass	65997-17-3	5%	0.13%	
3	Resistive Element	Ni-Cu-Mn	0.88557296	Manganese	7439-96-5	1.5%	3.44%	3.44%
				Copper	7440-50-8	63%		
				Nickel	7440-02-0	35.5%		
4	Over-Coating	Over-Coating	0.4376378	Epoxy	29690-82-2	100%	1.70%	1.70%
5	Marking	Marking	0.0643585	Epoxy	25068-38-6	100%	0.25%	0.25%
6	End Terminal	End Terminal	0.0849532	Nickel	7440-02-0	80%	0.26%	0.33%
				Chromium	7440-47-3	20%	0.07%	
7	Cu Plating	Copper	0.9885466	Copper	7440-50-8	100%	3.84%	3.84%
8	Ni Plating	Nickel	0.3964484	Nickel	7440-02-0	100%	1.54%	1.54%
9	Sn Plating	Tin	0.3964484	Tin	7440-31-5	100%	1.54%	1.54%
TOTAL			25.7434					

This Document was updated on: 2018/10/05 ← the Date you completed fulfillment.

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