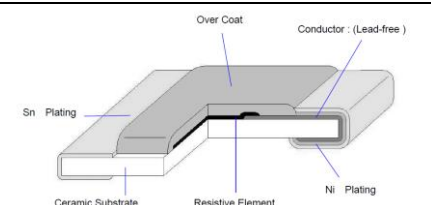


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CRL2512 (0.1~0.91Ω) Series			
Product Line	Current Sensing Resistors			
Compliance Date	2018/10/05			
RoHS Compliant	Yes	MSL	1	

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	35.627646	Aluminium oxide	1344-28-1	96%	80.06%	83.40%
				Silicon dioxide	14808-60-7	4%	3.34%	
2	Conductor Layer	Conductor Layer	1.3456485	Silver	7440-22-4	95%	2.99%	3.15%
				Glass	65997-17-3	5%	0.16%	
3	Resistive Element	Ni-Cu-Mn	1.74720710	Manganese	7439-96-5	1.5%	4.09%	4.09%
				Copper	7440-50-8	63%		
				Nickel	7440-02-0	35.5%		
4	Over-Coating	Over-Coating	0.8586519	Epoxy	29690-82-2	100%	2.01%	2.01%
5	Marking	Ink	0.0982537	Epoxy	25068-38-6	100%	0.23%	0.23%
6	End Terminal	End Terminal	0.1623322	Nickel	7440-02-0	80%	0.30%	0.38%
				Chromium	7440-47-3	20%	0.08%	
7	Cu Plating	Copper	1.5976906	Copper	7440-50-8	100%	3.74%	3.74%
8	Ni Plating	Nickel	0.6407850	Nickel	7440-02-0	100%	1.50%	1.50%
9	Sn Plating	Tin	0.6407850	Tin	7440-31-5	100%	1.50%	1.50%
TOTAL			42.719					

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.