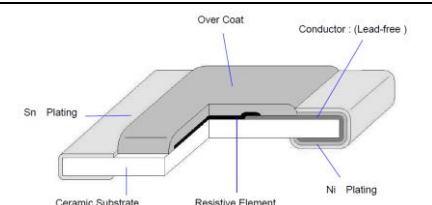


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CRL0402 (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	0.4619081	Aluminum oxide	1344-28-1	96%	62.43%	65.03%
				Silicon dioxide	14808-60-7	4%	2.60%	
2	Conductor Layer	Silver	0.0295485	Silver	7440-22-4	95%	3.95%	4.16%
				Glass	65997-17-3	5%	0.21%	
3	Resistive Element	Ni-Cu-Mn	0.017971	Manganese	7439-96-5	1.5%	2.53	2.53%
				Copper	7440-50-8	63%		
				Nickel	7440-02-0	35.5%		
4	Over-Coating	Epoxy	0.0302588	Epoxy	29690-82-2	100%	4.26%	4.26%
5	End Terminal	Ink Nickel	0.0036936	Nickel	7440-02-0	80%	0.42%	0.52%
				Chromium	7440-47-3	20%	0.10%	
6	Cu Plating	Cu	0.0785592	Copper	7440-50-8	100%	11.06%	11.06%
7	Ni Plating	Copper	0.0441807	Nickel	7440-02-0	100%	6.22%	6.22%
8	Sn Plating	Nickel	0.0441807	Tin	7440-31-5	100%	6.22%	6.22%
			TOTAL					

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.