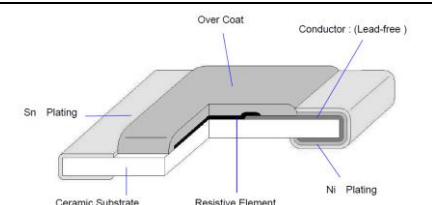


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CRL0603 (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	1.7154272	Aluminum oxide	1344-28-1	96%	70.26%	73.19%
				Silicon dioxide	14808-60-7	4%	2.93%	
2	Conductor Layer	Silver	0.0834393	Silver	7440-22-4	95%	3.38%	3.56%
				Glass	65997-17-3	5%	0.18%	
3	Resistive Element	Ni-Cu-Mn	0.08273614	Manganese	7439-96-5	1.5%	3.53%	3.53%
				Copper	7440-50-8	63%		
				Nickel	7440-02-0	35.5%		
4	Over-Coating	Epoxy	0.0876581	Epoxy	29690-82-2	100%	3.74%	3.74%
5	Marking	Ink	0.0138284	Epoxy	25068-38-6	100%	0.59%	0.59%
6	End Terminal	Nickel	0.0058595	Nickel	7440-02-0	80%	0.20%	0.25%
				Chromium	7440-47-3	20%	0.05%	
7	Cu Plating	Copper	0.1884415	Copper	7440-50-8	100%	8.04%	8.04%
8	Ni Plating	Nickel	0.0832049	Nickel	7440-02-0	100%	3.55%	3.55%
9	Sn Plating	Tin	0.0832049	Tin	7440-31-5	100%	3.55%	3.55%
TOTAL			2.3438					

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.