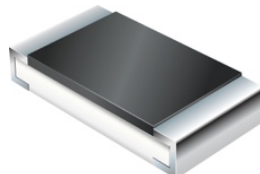


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CR01005A-AS			
Product Line	Thick Film Chip Resistors			
Compliance Date	2025/05/25			
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	CRXXXX	0.032061	Aluminum oxide	1344-28-1	96%	81.00%	84.37%
				Silicon dioxide	14808-60-7	4%	3.37%	
2	Conductor Layer	AZZ.002.5421	0.000749	Silver	7440-22-4	95%	1.87%	1.97%
				Glass	65997-17-3	5%	0.10%	
3	Resistive Element	AZZ.002.00XXX	0.000209	Ruthenium dioxide	12036-10-1	25%	0.14%	0.55%
				Silver	7440-22-4	40%	0.22%	
				Palladium	7440-05-3	15%	0.08%	
				None-lead Glass	65997-18-4	16.3%	0.09%	
				Lead	7439-92-1	3.7%	0.02%	
4	Over Coating	AZZ.002.1057A	0.000699	Epoxy	25068-38-6	100%	1.84%	1.84%
5	End Terminal	AZZ.003.0048	0.000110	Nickel	7440-02-0	80%	0.23%	0.29%
				Chromium	7440-47-3	20%	0.06%	
6	Ni Plating	Ni	0.002204	Nickel	7440-02-0	100%	5.80%	5.80%
7	Sn Plating	Sn	0.001968	Tin	7440-31-5	100%	5.18%	5.18%
TOTAL WEIGHT			0.038					

This Document was updated on: 2025/05/25 ← the Date you completed fulfillment.

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