

# MATERIAL DECLARATION SHEET



Material Number	CR0805A-AS Series			
Product Line	Thick Film Chip Resistors			
Compliance Date	2018/06/14			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Substrate	CRXXXX	3.81944	Aluminum oxide	1344-28-1	96%	85.56%	89.13%
				Silicon dioxide	14808-60-7	4%	3.57%	
2	Conductor Layer	AZZ.002.5421	0.08224	Silver	7440-22-4	95%	1.82%	1.92%
				Non-lead Glass	65997-17-3	5%	0.10%	
3	Resistive Element	AZZ.002.00XXX	0.04328	Ruthenium oxide	12036-10-1	25%	0.25%	1.01%
				Silver	7440-22-4	40%	0.40%	
				Palladium	7440-05-3	15%	0.15%	
				Lead	7439-92-1	20%	0.20%	
4	Over Coating	AZZ.002.1057A	0.0665	Epoxy	25068-38-6	100%	1.55%	1.55%
5	Marking	ZSR-XXX	0.00361	Epoxy	25085-99-8	100%	0.08%	0.08%
6	End Terminal	AZZ.003.0048	0.00337	Nickel	7440-02-0	80%	0.06%	0.08%
				Chromium	7440-47-3	20%	0.02%	
7	Ni Plating	Ni	0.14111	Nickel	7440-02-0	100%	3.29%	3.29%
8	Sn Plating	Sn	0.12589	Tin	7440-31-5	100%	2.94%	2.94%
			TOTAL WEIGHT	4.28544				

This Document was updated on: 2018/06/14

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