


MATERIAL DECLARATION SHEET



Material Number	CRT1206-AS Series			
Product Line	Thin Film Precision Chip Resistor			
Compliance Date	2015/09/17			
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	Substrate	Ceramics 708S	8.5176	Aluminum oxide	1344-28-1	96	89.616	93.35
				Silicon dioxide	14808-60-7	3	2.8005	
				Magnesium oxide	1309-48-4	1	0.9335	
2	Backside Electrode	SR4350	0.1030	Silver	7440-22-4	85	0.9605	1.13
				Copper	1317-38-0	15	0.1695	
3	Primary Upside Electrode	SR4350	0.1030	Silver	7440-22-4	85	0.9605	1.13
				Copper	1317-38-0	15	0.1695	
4	Secondary Upside Electrode	DS-7260THM(T)	0.1030	Silver	7440-22-4	84.1	0.95033	1.13
				Nickel	7440-02-0	2.4	0.02712	
				Phenoxy resin	25068-38-6	6.1	0.06893	
				Epoxy resin	29690-82-2	3.7	0.04181	
				Phenol resin	24979-74-6	3.7	0.04181	
5	Overcoat	OHMCOAT 1055B	0.0822	Resins	Trade secret	39.8	0.3582	0.90
				Carbon Black	1333-86-4	3.4	0.0306	
				Silicon dioxide	60676-86-0	22.7	0.2043	
				Talc	14807-96-6	11.4	0.1026	
				Additives	Trade secret	22.7	0.2043	
6	Marking	1000 Series Epilite Ink Hardener	0.0435	Synthetic resin	Trade secret	80	0.384	0.48
				Titanium dioxide	13463-67-7	20	0.096	
7	Nickel Plating	Electrolytic Nickel	0.0240	Nickel	7440-02-0	100	0.26	0.26
8	Tin Plating	Pure tin Solder	0.0554	Tin	7440-31-5	100	0.61	0.61

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9	Edge Electrode	Conductor	0.0084	Nickel	7440-02-0	56	0.0504	0.09
				Chromium	7440-47-3	44	0.0396	
10	Resistor Layer	Conductor	0.084	Nickel	7440-02-0	56	0.515	0.92
				Chromium	7440-47-3	44	0.405	
		Total weight	9.1241					

This Document was updated on: 2015/09/17

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.