


MATERIAL DECLARATION SHEET



Material Number	CRT0805-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	4.43555	Aluminum oxide	1344-28-1	96	89.4336	93.16
				Silicon dioxide	14808-60-7	3	2.7948	
				Magnesium oxide	1309-48-4	1	0.9316	
2	Backside Electrode	SR4350	0.0538	Silver	7440-22-4	84.6	0.95598	1.13
				Copper oxide	1317-38-0	15.4	0.17402	
3	Primary Upside Electrode	SR4350	0.0538	Silver	7440-22-4	84.6	0.95598	1.13
				Copper oxide	1317-38-0	15.4	0.17402	
4	Secondary Upside Electrode	DS-7260THM(T)	0.0538	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	
5	Overcoat	OHMCOAT 1055B	0.0433	Phenol resin	24979-74-6	3.7	0.04181	0.91
				Resins	Trade secret	39.8	0.36218	
				Carbon Black	1333-86-4	3.4	0.03094	
				Silicon dioxide	60676-86-0	22.7	0.20657	
				Talc	14807-96-6	11.4	0.10374	
6	Marking	1000 Series Epilite Ink Hardener	0.0238	Additives	Trade secret	22.7	0.20657	0.50
				Synthetic resin	Trade secret	80	0.4	
7	Nickel Plating	Electrolytic Nickel	0.0127	Titanium dioxide	13463-67-7	20	0.1	0.27
				Nickel	7440-02-0	100	0.27	
8	Tin Plating	Pure tin Solder	0.0298	Tin	7440-31-5	100	0.63	0.63

MATERIAL DECLARATION SHEET



9	Edge Electrode	Conductor	0.00495	Nickel	7440-02-0	56	0.056	0.10
				Chromium	7440-47-3	44	0.044	
10	Resistor Layer	Conductor	0.0495	Nickel	7440-02-0	56	0.5824	1.04
				Chromium	7440-47-3	44	0.4576	
		Total weight	4.761					

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.