


# MATERIAL DECLARATION SHEET



Material Number	CRT0603			
Product Line	CRT Series			
Compliance Date	2024/8/13			
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	1.733	Aluminum oxide	1344-28-1	96	90.95	94.74
				Silicon dioxide	14808-60-7	3	2.84	
				Magnesium oxide	1309-48-4	1	0.95	
2	Backside Electrode	Conductor	0.021	Silver	7440-22-4	85	0.97	1.14
				Copper oxide	1317-38-0	15	0.17	
3	Upside Electrode	Conductor	0.021	Silver	7440-22-4	85	0.97	1.14
				Copper oxide	1317-38-0	15	0.17	
4	Overcoat 1	Epoxy Resin	0.0154	Resins	63148-69-6	50	0.42	0.84
				Silicon dioxide	14808-60-7	40	0.34	
				Additives	68957-04-0	10	0.08	
5	Overcoat 2	Epoxy Resin	0.0016	Resins	63148-69-6	51.5	0.031	0.09
				Carbon Black	1333-86-4	4.4	0.004	
				Silicon dioxide	60676-86-0	29.4	0.017	
				Diethylene glycolmonobutyl ether	112-34-5	14.7	0.038	
6	Edge Electrode	NiCr	0.00128	Nickel	7440-02-0	56	0.04	0.07
				Chromium	7440-47-3	44	0.03	
7	Resistance Layer	NiCr	0.01299	Chromium	7440-47-3	44	0.31	0.71
				Nickel	7440-02-0	56	0.40	
8	Marking	Ink	0.0093	Bisphenol A type epoxy resin	25068-38-6	80	0.38	0.49
				Titanium dioxide	13463-67-7	20	0.11	
9	Nickel Plating	Nickel	0.00512	Nickel	7440-02-0	100	0.28	0.28
10	Tin Plating	Tin	0.00933	Tin	7440-31-5	100	0.50	0.50
			Total weight			1.83		

**This Document was updated on:** 2024/8/13

**Important remarks:**

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