


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CRT 0603-ST			
Product Line	CRT-ST Series			
Compliance Date	2017/5/25			
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	1.75	Aluminum oxide	1344-28-1	96	91.7031	95.5240
				Silicon dioxide	14808-60-7	3	2.8657	
				Magnesium oxide	1309-48-4	1	0.9552	
2	Backside Electrode	Conductor	0.021	Silver	7440-22-4	85	0.9743	1.1463
				Copper oxide	1317-38-0	15	0.1719	
3	Upside Electrode	Conductor	0.021	Silver	7440-22-4	85	0.9743	1.1463
				Copper oxide	1317-38-0	15	0.1719	
4	Overcoat	Epoxy Resin	0.0154	Resins	Trade secret	40	0.3362	0.8406
				Carbon Black	1333-86-4	3.4	0.0286	
				Silicon dioxide	60676-86-0	22.6	0.1900	
				Talc	14807-96-6	11.4	0.0958	
				Additives	Trade secret	22.6	0.1900	
5	Marking	Ink	0.01	Synthetic resin	9004-57-3	80	0.4367	0.5459
				Titanium dioxide	13463-67-7	20	0.1092	
6	Nickel Plating	Nickel	0.0052	Nickel	7440-02-0	100	0.2811	0.2811
7	Tin Plating	Tin	0.0095	Tin	7440-31-5	100	0.5158	0.5158
8	Edge Electrode	Nickel-Chromium	Proprietary	Nickel	7440-02-0	Proprietary	Proprietary	Proprietary
				Chromium	7440-47-3			
9	Resistor Layer	Nickel-Chromium	Proprietary	Nickel	7440-02-0	Proprietary	Proprietary	Proprietary
				Chromium	7440-47-3			
			Total weight			1.8321		

This Document was updated on: 2017/5/25

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