


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CRT 0402-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	0.52	Aluminum oxide	1344-28-1	96	92.0524	95.8879
				Silicon dioxide	14808-60-7	3	2.8766	
				Magnesium oxide	1309-48-4	1	0.9589	
2	Backside Electrode	Conductor	0.0062	Silver	7440-22-4	85	0.9765	1.1488
				Copper oxide	1317-38-0	15	0.1723	
3	Upside Electrode	Conductor	0.0062	Silver	7440-22-4	85	0.9765	1.1488
				Copper oxide	1317-38-0	15	0.1723	
4	Overcoat	Epoxy Resin	0.005	Resins	Trade secret	40	0.3666	0.9165
				Carbon Black	1333-86-4	3.4	0.0312	
				Silicon dioxide	60676-86-0	22.6	0.2071	
				Talc	14807-96-6	11.4	0.1045	
				Additives	Trade secret	22.6	0.2071	
5	Nickel Plating	Nickel	0.0015	Nickel	7440-02-0	100	0.2674	0.2674
6	Tin Plating	Tin	0.0034	Tin	7440-31-5	100	0.6306	0.6306
7	Edge Electrode	Nickel-Chromium	Proprietary	Nickel	7440-02-0	Proprietary	Proprietary	Proprietary
				Chromium	7440-47-3			
8	Resistor Layer	Nickel-Chromium	Proprietary	Nickel	7440-02-0	Proprietary	Proprietary	Proprietary
				Chromium	7440-47-3			
			Total weight			0.5423		

This Document was updated on: 2017/5/25

Important remarks:

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