

MATERIAL DECLARATION



Material Number	TC 33X-2 (1KΩ<RC<100KΩ)		
Product Line	Trimmer		
Compliance Date	8-16-2004		
Updated	04/15/2022		
RoHS Compliant	Yes DC 509	MSL	1



No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g/pcs)	Homogeneous Material	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substance				
1	CONTACT SPRING	Stainless Steel	0.00880	Nickel	7440-02-0	9.25	2.64	28.5
				Silicon	7440-21-3	0.500	0.143	
				Iron	7439-89-6	70.8	20.0	
				Manganese	7439-96-5	1.00	0.285	
				Chromium	7440-47-3	19.0	5.42	
				Carbon	7440-44-0	0.0400	0.0114	
				Phosphorus	7723-14-0	0.0225	0.00642	
				Sulphur	7704-34-9	0.0150	0.00428	
2	SUBSTRATE	ALUMINA	0.013	Magnesium Glass	7439-95-4	0.900	0.382	42.5
				Silica, Crystalline	14808-60-7	2.80	1.19	
				Aluminum Glass	1344-28-1	96.0	40.8	
				Calcium Glass	7440-70-2	0.300	0.127	
3	ELECTRODE	GLASS Ag-Pd	0.00040	Lead Glass	7439-92-1	0.150	0.00195	1.30
				Borate Glass	11129-12-7	0.200	0.00259	
				Bismuth Glass	7440-69-9	0.750	0.00973	
				Nickel	7440-02-0	0.250	0.00324	
				Copper (metallic)	7440-50-8	0.750	0.00973	
				Palladium	7440-05-3	1.50	0.0195	
				Silver	7440-22-4	96.0	1.25	

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				Glass without declarable substances	-	0.400	0.00519	
4	RESISTIVE INK	METAL GLAZED RESISTORS	0.00060	Lead Glass	7439-92-1	16.0	0.311	1.95
				Borate Glass	11129-12-7	3.00	0.0584	
				Manganese Glass	7439-96-5	1.30	0.0253	
				Ruthenium(IV) oxide	12036-10-1	46.7	0.909	
				Glass without declarable substances	-	33.0	0.642	
5	TERMINAL CONNECTOR	Sn-3Ag-0.5Cu	0.00100	Lead	7439-92-1	0.0499	0.00162	3.24
				Antimony	7440-36-0	0.0500	0.00162	
				Arsenic, elemental	7440-38-2	0.0300	0.00973	
				Bismuth	7440-69-9	0.100	0.00324	
				Copper (metallic)	7440-50-8	0.500	0.0162	
				Silver	7440-22-4	3.00	0.0973	
				Tin	7440-31-5	96.3	3.12	
6	TERMINAL	STEEL	0.00573	Iron	7439-89-6	99.6	18.5	18.6
				Manganese	7439-96-5	0.300	0.0557	
				Carbon	7440-44-0	0.0750	0.0139	
				Phosphorus	7723-14-0	0.0500	0.00929	
				Sulphur	7704-34-9	0.0250	0.00464	
7	GROUND PLATING	Ni	0.000098	Nickel	7440-02-0	99.8	0.317	0.318
				Misc., not to declare	-	0.250	0.000794	
8	SURFACE PLATING	Sn	0.000213	Tin	7440-31-5	99.8	0.689	0.691
				Misc., not to declare	-	0.250	0.00173	
9	INSULATION	URETHANE ACRYL	0.00090	Further Additives, not to declare	-	3.00	0.0875	2.92
				Acrylate Urethane Oligomer	-	97.0	2.83	
Total weight (g)			0.0308					

Important remarks:

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