


MATERIAL DECLARATION



Material Number	TC 42 (1KΩ<RC<100KΩ)			
Product Line	Trimmer			
Compliance Date	RoHS Directive 2015/863 Mar. 31, 2015 and Annex. 2-1-2007 Updated : 11/26/2024			
RoHS Compliant	Yes	MSL	1	

NO	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Mass % of total unit wt. Material	Subpart mass of total wt. (%)
1	SUBSTRATE	ALUMINA	0.0051	Magnesium oxide	1309-48-4	0.9	0.351	39.021
				Silica, Crystalline	14808-60-7	2.8	1.093	
				Aluminum oxide	1344-28-1	96	37.460	
				Calcium oxide	1305-78-8	0.3	0.117	
2	ELECTRODE	GLASS Ag-Pd	0.00003	Copper (metallic)	7440-50-8	0.63	0.001	0.230
				Palladium	7440-05-3	3.8	0.009	
				Silver	7440-22-4	92	0.211	
				Glass without declarable substances	-	1	0.002	
				Misc., not to declare	-	2.57	0.006	
3	RESISTANCE ELEMENT	METAL GLAZED RESISTORS	0.00008	Copper oxide	1317-38-0	0.39	0.002	0.612
				Dicopper oxide	1317-39-1	0.17	0.001	
				Silver	7440-22-4	22.24	0.136	
				Tin oxide	18282-10-5	0.37	0.002	
				Manganese dioxide	1313-13-9	0.7	0.004	
				Hafnium(IV) oxide	12055-23-1	0.19	0.001	
				Ruthenium(IV) oxide	12036-10-1	27.66	0.169	

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				Glass without declarable substances	Trade secret	42.47	0.260	
				Zirconium oxide	1314-23-4	5.81	0.036	
4	TERMINAL CONNECTOR	SOLDER Sn-3Ag-0.5Cu	0.00024	Lead	7439-92-1	0.0499	0.001	1.836
				Antimony	7440-36-0	0.05	0.001	
				Arsenic, elemental	7440-38-2	0.03	0.001	
				Bismuth	7440-69-9	0.1	0.002	
				Copper (metallic)	7440-50-8	0.5	0.009	
				Silver	7440-22-4	3	0.055	
				Tin	7440-31-5	96.2701	1.768	
5	TERMINAL	STEEL	0.00389	Iron	7439-89-6	99.55	29.629	29.763
				Manganese	7439-96-5	0.3	0.089	
				Carbon	7440-44-0	0.075	0.022	
				Phosphorus	7723-14-0	0.05	0.015	
				Sulphur	7704-34-9	0.025	0.007	
6	TERMINAL GROUND PLATING	Ni	0.000066	Nickel	7440-02-0	99.75	0.504	0.505
				Misc., not to declare	-	0.25	0.001	
7	TERMINAL PLATING	Sn	0.000144	Tin	7440-31-5	99.75	1.099	1.102
				Misc., not to declare	-	0.25	0.003	
8	MOVING CONTACT	STAINNLESS STEEL	0.0034	Nickel	7440-02-0	9.25	2.406	26.014
				Silicon	7440-21-3	0.5	0.130	
				Iron	7439-89-6	70.1725	18.255	
				Manganese	7439-96-5	1	0.260	
				Chromium	7440-47-3	19	4.943	
				Carbon	7440-44-0	0.04	0.010	
				Phosphorus	7723-14-0	0.0225	0.006	
Sulphur	7704-34-9	0.015	0.004					
9	INSULATION	URETHANE ACRYLATE	0.00012	Further Additives, not to declare	-	3	0.028	0.918

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			Acrylate Urethane Oligomer	Trade secret	97	0.891	
		Total weight	0.01307				

This Document was updated on:11/26/2024

Important remarks:

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