


MATERIAL DECLARATION SHEET



Material Number	3214 (250Ω to 20kΩ)			
Product Line	Trimpot® Trimmers			
Original Compliance Date	3-1-2005 Updated January 28, 2021			
RoHS Compliant	RoHS 3.0	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material	CASRN	Materials Mass %	Subpart mass of total wt. (%)
				Substances	if applicable		
1	Contact Spring	Nickel Silver	0.003	Nickel	7440-02-0	18	1.554
				Copper	7440-50-8	55	
				Zinc	7440-66-6	27	
2	Housing	PEEK	0.071	Polyetheretherketone	31694-16-3	70	36.788
				Glass Fiber	65997-17-3	30	
3	Rotor	PPAI	0.008	PPA (Polyphthalamide)	24938-03-2	100	4.145
4	Potting	Epoxy	0.029	Cycloaliphatic Epoxide	106-87-6	40	15.026
				Polyether Polyol Resins	39072-02-1	15	
				Silicon Dioxide	67762-90-7	25	
				Hydrated Alumina	21645-51-2	20	
5	Shaft	Brass	0.012	Copper	7440-50-8	61.49	6.218
				Zinc	7440-66-6	35.4	
				Lead	7439-92-1	3.1	
				Nickel (Plating)	7440-02-0	0.01	
6	Substrate	Alumina	0.049	Aluminum Oxide	1344-28-1	96	25.389
				Silicon Dioxide	7631-86-9	2	
				Magnesium Oxide	1309-48-4	1	
				Calcium Oxide	1305-78-8	1	
7	Termination Ink Top	Ink	0.001	Silver	7440-22-4	82	0.518
				Barium	7440-39-3	2	
				Boron	7440-42-8	2	
				Bismuth	7440-69-9	14	

MATERIAL DECLARATION



8	Termination Ink Bottom	Ink	0.001	Silver	7440-22-4	93.3	0.518
				Palladium	7440-05-3	3.1	
				Copper	7440-50-8	1.2	
				Bismuth	7440-69-9	2.4	
9	Resistive Ink	Ink	0.002	Ruthenium Dioxide	12036-10-1	35	1.036
				Silicon	7440-21-3	16	
				Boron	7440-42-8	15	
				Calcium	7440-70-2	15	
				Silver	7440-22-4	7	
				Titanium	7440-32-6	5	
				Manganese	7439-96-5	6	
10	Terminals	Copper	0.015	Copper	7440-50-8	99.99	7.772
				Oxygen	7782-44-7	0.01	
11	Coating	Solder	0.001	Tin	7440-31-5	100	0.518
12	Lubricant	Lubricant	0.001	Polydimethylsiloxane	63148-62-9	58	0.518
				Dimethyl Siloxane	70131-67-8	9.5	
				Silica, Amorphous	7631-86-9	12.5	
				Siloxane/Silicones	63148-56-1	14	
				Tetrafluoroethene	9002-84-0	6	
		Total weight	0.193				

This Document was updated on July 29, 2024

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemptions: Brass shaft may contain lead – RoHS exemption 6c – copper alloy containing up to 4% lead by weight.