

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	3224 (50KΩ to 2MΩ)			
Product Line	Trimpot			
Revision	9/30/2025			
RoHS Compliant	Yes DC0509	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material	CASRN	Material Mass % of Subpart	Material Mass % of total unit wt	Subpart mass of total wt. (%)
				Substances	if applicable			
1	Contact Spring	Ni/Ag	0.002	Zinc (metal)	7440-66-6	26.1	0.2726	1.04
				Copper	7440-50-8	55	0.5744	
				Silver	7440-22-4	0.05	0.0005	
				Iron	7439-89-6	0.125	0.0013	
				Manganese	7439-96-5	0.25	0.0026	
				Nickel	7440-02-0	18	0.1880	
				Cobalt	7440-48-4	0.2	0.0021	
				Lead	7439-92-1	0.025	0.0003	
				Misc, not to declare	N/A	0.25	0.0026	
2	Housing	PEEK	0.071	Polyetheretherketone	31694-16-3	70	25.9530	37.08
				Glass Fiber	65997-17-3	30	11.1227	
3	Rotor	PPAI	0.008	Polyphthalamide	27135-32-6	66	2.7572	4.18
				glass fiber	65997-17-3	33	1.3786	
				titanium dioxide	13463-67-7	1	0.0418	
4	Potting	Epoxy	0.029	Cycloaliphatic epoxide	2386-87-0	40	6.0574	15.14
				Polyetherpolyol resins	39072-02-1	15	2.2715	
				Silicon dioxide	60676-86-0	25	3.7859	
				Hydrated alumina	21645-51-2	20	3.0287	

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5	Shaft	Brass	0.012	Copper	7440-50-8	61.5	3.8538	6.27
				Iron	7439-89-6	0.2	0.0125	
				Lead	7439-92-1	3	0.1880	
				Zinc	7440-66-6	35	2.1932	
				Misc, not to declare	N/A	0.3	0.0188	
6	Substrate	Alumina	0.049	Aluminum Oxide	1344-28-1	96	24.5640	25.59
				Silicon dioxide	7631-86-9	2	0.5117	
				Magnesium oxide	1309-48-4	1	0.2559	
				Calcium oxide	1305-78-8	1	0.2559	
7	Termination Ink Top	Ink	0.001	Silver	7440-22-4	63.0	0.3290	0.52
				Palladium	7440-05-3	25.0	0.1305	
				Bismuth in Glass	7440-69-9	6.0	0.0313	
				Copper	7440-50-8	1.0	0.0052	
				Aluminum in Glass	7429-90-5	0.2	0.0010	
				Boron	7440-42-8	1.0	0.0052	
				Barium	7440-39-3	1.0	0.0052	
				Glass w/o Declarables	65997-17-3	2.8	0.0146	
8	Termination Ink Bottom	Ink	0.001	Silver	7440-22-4	92.0	0.4804	0.52
				Bismuth in Glass	7440-69-9	2	0.0104	
				Copper	7440-50-8	1	0.0052	
				Glass w/o Declarables	65997-17-3	3.5	0.0183	
				Barium	7440-39-3	0.2	0.0010	
				Boron	7440-42-8	0.2	0.0010	
				Aluminum in Glass	7429-90-5	1.1	0.0057	
9	Resistive Ink	Ink	0.002	Ruthenium(IV)oxide	12036-10-1	20.0	0.1567	0.78
				Glass w/o Declarables	65997-17-3	43.0	0.3368	
				Lead in Glass	7439-92-1	24.0	0.1880	
				Boron	7440-42-8	13.0	0.1018	
10	Terminals	Copper	0.015	Copper	7440-50-8	99.999	7.8328	7.83
				Oxygen	7782-44-7	0.001	0.0001	

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11	Coating	Solder	0.001	Tin	7440-31-5	100	0.5222	0.52
12	Lubricant	Lubricant	0.001	Polydimethylsiloxane	63148-62-9	58	0.3029	0.52
				Dimethyl siloxane	70131-67-8	9.5	0.0496	
				Silica, amophous	7631-86-9	12.5	0.0653	
				Siloxane/silicones	63148-56-1	14	0.0731	
				Tetrafluoroethane	9002-84-0	6	0.0313	
		Total weight	0.192					

Important remarks:

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