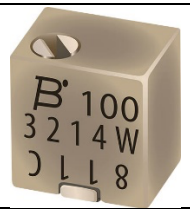
MATERIAL DECLARATION SHEET

BOURNS®

Material Number	**3214 (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 Substances	CASRN if applicable	Material Mass % of Subpart	Material Mass % of total unit wt	Subpart mass of total wt. (%)
1	Contact Spring	Ni/Ag	0.003	Zinc (metal)	7440-66-6	26.1	0.4068	1.56
				Copper	7440-50-8	55	0.8571	
				Silver	7440-22-4	0.05	0.0008	
				Iron	7439-89-6	0.125	0.0019	
				Manganese	7439-96-5	0.25	0.0039	
				Nickel	7440-02-0	18	0.2805	
				Cobalt	7440-48-4	0.2	0.0031	
				Lead	7439-92-1	0.025	0.0004	
				Misc, not to declare	N/A	0.25	0.0039	
2	Housing	PEEK	0.071	Polyetheretherketone	31694-16-3	70	25.8182	36.88
				Glass Fiber	65997-17-3	30	11.0649	
3	Rotor	PPAI	0.008	Polyphthalamide	27135-32-6	66	2.7429	4.16
				glass fiber	65997-17-3	33	1.3714	
				titanium dioxide	13463-67-7	1	0.0416	
4	Potting	Epoxy	0.029	Cycloaliphatic epoxide	2386-87-0	40	6.0260	15.06
				Polyetherpolyol resins	39072-02-1	15	2.2597	
				Silicon dioxide	60676-86-0	25	3.7662	
				Hydrated alumina	21645-51-2	20	3.0130	

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5	Shaft	Brass	0.012	Copper	7440-50-8	61.5	3.8338	6.23
				Iron	7439-89-6	0.2	0.0125	
				Lead	7439-92-1	3	0.1870	
				Zinc	7440-66-6	35	2.1818	
				Misc, not to declare	N/A	0.3	0.0187	
6	Substrate	Alumina	0.049	Aluminum Oxide	1344-28-1	96	24.4364	25.45
				Silicon dioxide	7631-86-9	2	0.5091	
				Magnesium oxide	1309-48-4	1	0.2545	
				Calcium oxide	1305-78-8	1	0.2545	
7	Termination Ink Top	Ink	0.001	Silver	7440-22-4	63.0	0.3273	0.52
				Palladium	7440-05-3	25.0	0.1299	
				Bismuth in Glass	7440-69-9	6.0	0.0312	
				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	0.0145	
8	Termination Ink Bottom	Ink	0.001	Silver	7440-22-4	92.00	0.4779	0.52
				Bismuth in Glass	7440-69-9	2.00	0.0104	
				Copper	7440-50-8	1.00	0.0052	
				Glass w/o Declarables	65997-17-3	3.50	0.0182	
				Barium	7440-39-3	0.20	0.0010	
				Boron	7440-42-8	0.20	0.0010	
				Aluminum in Glass	7429-90-5	1.10	0.0057	
9	Resistive Ink	Ink	0.002	Ruthenium(IV)oxide	12036-10-1	20.0	0.1558	0.78
				Glass w/o Declarables	65997-17-3	43.0	0.3351	
				Lead in Glass	7439-92-1	24.0	0.1870	
				Boron	7440-42-8	13.0	0.1013	
10	Terminals	Copper	0.015	Copper	7440-50-8	99.999	7.7921	7.79
				Oxygen	7782-44-7	0.001	0.0001	

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11	Coating	Solder	0.001	Tin	7440-31-5	100	0.5195	0.52
12	Lubricant	Lubricant	0.001	Polydimethylsiloxane	63148-62-9	58	0.3013	0.52
				Dimethyl siloxane	70131-67-8	9.5	0.0494	
				Silica, amophous	7631-86-9	12.5	0.0649	
				Siloxane/silicones	63148-56-1	14	0.0727	
				Tetrafluoroethane	9002-84-0	6	0.0312	
		Total weight	0.193					

Important remarks:

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

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