MATERIAL DECLARATION SHEET

BOURNS®

Material Number	6639S-1-XXX			
Product Line	Precision Potentiometer			
Compliance Date	January 02, 2006			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Hex Nut	Brass C260	1.25	Copper	7440-50-8	70	5.067	7.24
				Zinc	7440-66-6	30	2.171	
		Plating	0.09	Nickel	7440-02-0	100	0.521	0.521
2	Lock Washer	C1050 Carbon Steel	0.17	Carbon	7440-44-0	0.5	0.0049	0.984
				Iron	7439-89-6	98.7	0.97	
				Manganese	7439-96-5	0.75	0.0074	
				Phosphorus	7723-14-0	0.02	0.0002	
				Sulphur	7704-34-9	0.03	0.0003	
		Plating	0.001	Nickel	10101-97-0	100	0.0058	0.006
3	Terminal	Brass C360	0.143	Copper	7440-50-8	61.5	0.509	0.828
				Zinc	7440-66-6	35.4	0.293	
				Lead	7439-92-2	3.1	0.026	
		Nickel Plating	0.00006	Nickel	7440-02-0	100	0.0003	0.0003
		Gold Plating	0.00006	Gold	7440-57-5	100	0.0003	0.0003
4	Terminal (X2)	Brass C360	0.210	Copper	7440-50-8	61.5	0.748	1.216
				Zinc	7440-66-6	35.4	0.430	
				Lead	7439-92-2	3.1	0.038	
		Nickel Plating	0.00006	Nickel	7440-02-0	100	0.0003	0.0003
		Gold Plating	0.00006	Gold	7440-57-5	100	0.0003	0.0003
5	Ink	Ink	0.030	Phenolic Resin	9039-25-2	13	0.023	0.174

CASRN: CAS Registry Number® is a Registered Trademark of the American Chemical Society

				Silver	7440-22-4	86	0.149	
				Graphite	7782-42-5	1	0.0017	
6	Ink	Ink	0.050	2,2,4-Trimethyl-1,3-Pentane-Diol	6846-50-0	34.4	0.100	0.290
				Formaldehyde, Polymer With 3-Chloro-1-Propene and Phenol	28470-78-2	27	0.08	
				Carbon Black	1333-86-4	36	0.10	
				Silica, Amorphous Fumed	112945-52-5	0.5	0.001	
				Dimethylsilicone	63148-62-9	2.1	0.006	
7	Ink	Ink	0.050	Barium Sulfate	7727-43-7	28	0.081	0.290
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	43.8	0.127	
				Carbon Black	1333-86-4	16.8	0.049	
				Titanium Dioxide	1317-70-0	6.83	0.020	
				Silica, Amorphous Fumed	112945-52-5	0.6	0.002	
				1-Propene, 1,1,2,3,3,3-Hexafluoro-, Polymer with Tetrafluoroethene	25067-11-2	0.95	0.003	
				Acrylic Polymer	63148-62-9	3.02	0.009	
8	Ink	Ink	0.01	DAIP Resin	1087-21-4	71	0.041	0.058
				Barium Sulfate	7727-43-7	28	0.0162	
				Pigment	84632-65-5	1	0.0006	
9	Conductive Epoxy	Conductive Epoxy	0.015	Biphenyl A Polyglycidyl Ether	25068-38-6	27	0.023	0.087
				Butyl Glydicyl Ether	2426-08-6	9	0.008	
				Silver	7440-22-4	64	0.056	
10	Cover	Resin	1.325	Diallyl Phthalate Polymer	25053-15-0	37	2.839	7.672
				Polyester Resin	68604-67-1	1	0.077	
				Calcium Silicate	13983-17-0	7.7	0.591	
				Amorphous Silica	61790-53-2	1.5	0.115	
				Glass Fiber	65997-17-3	41	3.146	
				Alumina Trihydrate	21645-51-2	2.6	0.199	
				Calcium Stearate	1592-23-0	1	0.077	

CASRN: CAS Registry Number® is a Registered Trademark of the American Chemical Society

				Antimony Trioxide	1309-64-4	3.1	0.238	
				Bis (Tetrabromophthalimido)Ethane	32588-76-4	5.1	0.391	
11	Bushing	Brass C360	4.288	Copper	7440-50-8	61.5	15.270	24.829
				Zinc	7440-66-6	35.4	8.790	
				Lead	7439-92-2	3.1	0.770	
		Plating	0.0001	Nickel	7440-02-0	100	0.0006	0.0006
12	Housing	Resin	2.010	PBT	26062-94-2	53.7	6.250	11.639
				Glass Fiber	65997-17-3	30	3.492	
				Brominated Epoxy Resin	68928-70-1	10.5	1.222	
				Antimony Trioxide	1309-64-4	3	0.349	
				Pigment Blue 15	147-14-8	0.8	0.093	
				Further Additives, Not to Declare	N/A	2	0.233	
13	Retaining Ring	Stainless Steel 420	0.068	Carbon	7440-44-0	0.3	0.0012	0.394
				Chromium	7440-47-3	13	0.051	
				Iron	7439-89-6	85.66	0.337	
				Manganese	7439-96-5	0.5	0.002	
				Phosphorus	7723-14-0	0.02	0.00008	
				Sulphur	7704-34-9	0.02	0.00008	
				Silicon	7440-21-3	0.5	0.002	
14	Shaft	Stainless Steel 303	6.70	Carbon	7440-44-0	0.15	0.058	38.779
				Manganese	7439-96-5	2	0.78	
				Phosphorus	7723-14-0	0.2	0.078	
				Sulfur	7704-34-9	0.15	0.058	
				Silicon	7440-21-3	0.9	0.349	
				Chromium	7440-47-3	18	6.980	
				Nickel	7440-02-0	9	3.490	
				Iron	7439-89-6	69	26.76	
				Molybdenum	7439-98-7	0.6	0.233	
15	Rotor	Resin	0.82	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	3.138	4.75

CASRN: CAS Registry Number® is a Registered Trademark of the American Chemical Society

				Glass Fiber	65997-17-3	32	1.521	
				Molybdenum Disulfide	1317-33-5	2	0.095	
16	Contact Spring	Paliney #6	0.013	Palladium	7440-05-3	39.8	0.030	0.0753
				Silver	7440-22-4	33.9	0.026	
				Copper	7440-50-8	24.2	0.018	
				Platinum	7440-06-4	0.5	0.00038	
				Nickel	7440-02-0	1.59	0.00120	
				Zinc	7440-66-6	0.01	0.000008	
		Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.88	0.042	0.058
				Lead	7439-92-1	0.03	0.00001	
				Iron	7439-89-6	0.30	0.0002	
				Nickel	7440-02-0	21	0.012	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.10	0.003	
				Manganese	7439-96-5	0.30	0.0002	
				Misc	N/A	0.15	0.00009	
17	Lube	Lube	0.001	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.0032	0.0058
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.0003	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.0020	
				Polyisobutylene	9003-27-4	6.2	0.0004	
18	Lube	Lube	0.001	Siloxanes and Silicones, Me 3,3,3-Trifluoropropyl	63148-56-1	62	0.0036	0.0058
				Ethene, Tetrafluoro-, Homopolymer	9002-84-0	38	0.0022	
19	Label	Therml Film	0.016	Polyethylene Terephthalate	25038-59-9	71.6	0.0663	0.093
				Aluminium (Metal)	7429-90-5	0.07	0.0001	
				White Phosphorus	12185-10-3	0.03	0.00003	
				Polyethylene Terephthalate	25038-59-9	0.5	0.0005	
				Saturated Polyester Resin	61926-16-7	0.5	0.0005	

CASRN: CAS Registry Number® is a Registered Trademark of the American Chemical Society

				2-Propenoic Acid, Polymer with Ethenyl Acetate,2-Ethylhexyl 2-Propenoate and 2-Hydroxyethyl 2-Propenoate	50862-46-9	27	0.0250	
				Misc, Not to Declare	N/A	0.3	0.0003	
20	Ink	Ink	0.0005	Polyester Resin	149027-65-6	30	0.0009	0.003
				Hydrocarbon Waxes (Petroleum), Oxidized	64743-00-6	3	0.0001	
				Carbon Black	1333-86-4	23.5	0.0007	
				Carnauba-Wax	8015-86-9	20.5	0.0006	
				Vinyl Chloride-Vinyl Acetate Copolymers	9003-22-9	12	0.0003	
				Acrylic Resin	N/A	9	0.0003	
				Styrene-Butadiene Rubber	9003-55-8	2	0.0001	
		Total weight	17.270					

This Document was updated on: **11/10/2025**

Important remarks:

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

CASRN: CAS Registry Number® is a Registered Trademark of the American Chemical Society