

MATERIAL DECLARATION SHEET



Material Number	3590S-2-L		
Product Line	Precision Potentiometer		
Compliance Date	May 31, 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	Lube	Grease	0.008	Polysiloxane		100	0.037	0.037
2	Mandrel	Copper	1.006	Copper	7440-22-4	100	4.635	4.635
		Coating	6.39E-05	Polyamide		100	0.0003	0.0003
3	Resist Wire	Metal	0.2789	Nickel	7440-02-0	46	0.591	1.285
				Chromium	7440-47-3	0.1	0.001	
				Manganese	7439-96-5	0.8	0.010	
				Silicon	7440-21-3	0.3	0.004	
				Carbon	7440-44-0	0.05	0.0006	
				Phosphorus	7723-14-0	0.025	0.0003	
				Sulfur	7704-34-9	0.025	0.0003	
				Iron	7439-98-7	52.7	0.677	
4	Varnish	Polyester Phenolic Resin	0.1093	Unsaturated Polyester Resin and Phenol-formaldehyde Resin		100	0.504	0.504
5	Housing	PBT	3.064	Glass	65997-17-3	30	4.236	14.118
				Antimony Oxide	1309-64-4	3	0.423	
				Antimony Compounds	7440-36-0	3	0.423	
				Poly(butylene terephthalate)	30965-26-5	64	9.036	

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6	Terminal X 2	Copper	0.1206	Copper	7440-50-8	97.4	0.541	0.555
				Zinc	7440-66-6	0.1	0.0006	
				Phosphorus	7723-14-0	0.03	0.0002	
				Iron	7439-98-7	2.4	0.013	
		Under Plating	0.0024	Copper	7440-22-4	100	0.011	0.011
		Finish Plating	0.00606	Tin	7440-31-5	100	0.028	0.028
		Inlay	0.00126	Silver	7440-22-4	56	0.003	0.006
				Copper	7440-50-8	22	0.001	
				Zinc	7440-66-6	17	0.0009	
Tin	7440-31-5			5	0.0003			
7	Cover	PBT	1.3885	Glass	65997-17-3	30	1.919	6.398
				Antimony Oxide	1309-64-4	3	0.192	
				Antimony Compounds	7440-36-0	3	0.192	
				Poly(butylene terephthalate)	30965-26-5	64	4.095	
8	Lube	Grease	0.008	Fluorosilicone		100	0.037	0.037
9	Lube	Grease	0.008	Chlorophenylmethyl Silicone		100	0.037	0.037
10	Bushing	Zinc	2.67	Iron	7439-98-7	0.075	0.009	12.303
				Copper	7440-50-8	0.1	0.012	
				Magnesium	7439-98-5	0.03	0.004	
				Tin	7440-31-5	0.002	0.0002	
				Lead	7439-92-1	0.004	0.0005	
				Aluminum	7429-90-5	4	0.492	
				Cadmium	7440-43-9	0.003	0.0003	
				Zinc	7440-66-6	95.786	11.784	
11	Rotor	PBT	1.1115	Glass	65997-17-3	30	1.536	5.122
				Antimony Oxide	1309-64-4	3	0.153	
				Antimony Compounds	7440-36-0	3	0.153	
				Poly(butylene terephthalate)	30965-26-5	64	3.278	

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12	Shaft	Brass	9.507	Copper	7440-50-8	61.5	26.941	43.807
				Lead	7439-92-1	3	1.314	
				Zinc	7440-66-6	35.5	15.551	
		Plating	0.014	Nickel	7440-02-0	100	0.064	0.064
13	Slider	Nylon	0.11	Nylon	32131-17-2	60	0.304	0.507
				Glass	65997-17-3	30	0.152	
				Polytetrafluoroethylene	9002-84-0	10	0.051	
14	Contact Spring	Pamlet	0.0077	Copper	7440-50-8	16	0.005	0.035
				Nickel	7440-02-0	1	0.0003	
				Palladium	7440-05-3	1	0.0003	
				Platinum	7440-06-4	44	0.015	
				Silver	7440-22-4	38	0.013	
15	Collector Bar	Beryllium Copper	0.0275	Copper	7440-50-8	98.1	0.124	0.127
				Silicon	7440-21-3	0.2	0.0002	
				Beryllium	7440-41-7	1.5	0.002	
				Aluminum	7429-90-5	0.2	0.0002	
		Under Plating	0.004	Nickel	7440-02-0	100	0.018	0.018
		Finish Plating	0.004	Potassium Gold Cyanide	13967-50-5	100	0.018	0.018
16	Wiper Terminal	Brass	1.95	Copper	7440-50-8	94.8	8.518	8.985
				Tin	7440-31-5	5	0.449	
				Phosphorus	7723-14-0	0.2	0.018	
		Under Plating	0.000747	Nickel	7440-02-0	100	0.003	0.003
		Finish Plating	0.001645	Gold	7440-57-5	100	0.008	0.008
17	Washer 1	PTFE	0.0025	Polytetrafluoroethylene	9002-84-0	15	0.002	0.011
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.010	
18	Washer 2	PTFE	0.0082	Polytetrafluoroethylene	9002-84-0	15	0.006	0.038
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.032	
19	Retaining Ring	Stainless Steel	0.082	Chromium	7440-47-3	14.5	0.055	0.095

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				Nickel	7440-02-0	7.5	0.028	
				Carbon	7440-44-0	0.085	0.0003	
				Molybdenum	7439-98-7	2	0.007	
				Aluminum	7429-90-5	1	0.003	
				Iron	7439-89-6	74.91	0.283	
20	Epoxy 1	Epoxy	0.1276	Bisphenol A Diglycidyl Ether Resin	25068-38-6	50	0.294	0.588
				Silicon Dioxide	7440-21-3	37	0.217	
				Aluminum Silicate Hydroxide	1332-58-7	9	0.053	
				Proprietary Ingredients		4	0.023	
21	Epoxy 2	Epoxy	0.0725	Bisphenol A Diglycidyl Ether Resin	25068-38-6	49	0.164	0.334
				Silicon Dioxide	7440-21-3	17	0.057	
				Aluminum Silicate Hydroxide	1332-58-7	17	0.057	
				Antimony Trioxide	1309-64-4	17	0.057	
		Total weight	21.701					

This Document was updated on: July 28, 2009

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemption: 6c lead in copper alloy