


MATERIAL DECLARATION SHEET



Material Number	3540S-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	Terminal Cover	PPS	0.2905	Benzene, 1,4-dichloro-,polymer with sodium sulfide	26125-40-6	28.4	0.631	2.221
				Carbon Black	1333-86-4	0.6	0.013	
				Glass Fibers	65997-17-3	35	0.778	
				Additives		1	0.022	
				Mineral Powder		35	0.778	
2	Element Terminal X 2	Nickel Silver	0.075	Copper	7440-50-8	65	0.373	0.574
				Zinc	7440-66-6	17	0.098	
				Nickel	7440-02-0	18	0.103	
		Plating	0.00684	Gold	7440-57-5	100	0.052	0.052
				Silver	7440-22-4	56	0.028	
		Inlay	0.0066	Copper	7440-50-8	22	0.011	0.051
				Zinc	7440-66-6	17	0.009	
Tin	7440-31-5			5	0.003			
3	Housing	PBT	2.654	Glass	65997-17-3	30	6.088	20.295
				Antimony Oxide	1309-64-4	3	0.609	
				Antimony Compounds	7440-36-0	3	0.609	
				Poly(butylene terephthalate)	30965-26-5	64	12.989	
4	Mandrel Wire	Copper	1.456	Copper	7440-50-8	100	11.134	11.134
		Coating	0.000083	Polyamide		100	0.0006	0.0006

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5	Resistive Wire	Metal	0.9585	Nickel	7440-02-0	45	3.298	7.329
				Copper	7440-50-8	55	4.031	
6	Varnish	Varnish	0.15	Phenolic Resin		100	1.147	1.147
7	Shaft	Brass	1.179	Copper	7440-50-8	61.5	5.545	9.016
				Lead	7439-92-1	3	0.27	
				Zinc	7440-66-6	35.5	3.201	
		Plating	0.10767	Nickel	7440-02-0	100	0.823	0.823
8	C Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.069
				Manganese	7439-96-5	1	0.0007	
				Silicon	7440-21-3	1	0.0007	
				Chromium	7440-47-3	13	0.009	
				Iron	7439-98-7	84.85	0.058	
9	Lube	Grease	0.1	Fluorosilicone		100	0.765	0.765
10	Bushing	Aluminum	1.142	Aluminum	7429-90-5	93.7	8.183	8.733
				Copper	7440-50-8	5.5	0.48	
				Bismuth	7440-69-9	0.4	0.035	
				Lead	7439-92-1	0.4	0.035	
		Plating	0.037	Nickel	7440-02-0	100	0.003	0.003
11	Rotor	PBT	1.325	Glass	65997-17-3	30	3.039	10.132
				Antimony Oxide	1309-64-4	3	0.304	
				Antimony Compounds	7440-36-0	3	0.304	
				Poly(butylene terephthalate)	30965-26-5	64	6.485	
12	Cover	PBT	0.7005	Glass	65997-17-3	30	1.609	5.357
				Antimony Oxide	1309-64-4	3	0.161	
				Antimony Compounds	7440-36-0	3	0.161	
				Poly(butylene terephthalate)	30965-26-5	64	3.428	

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13	Lube	Grease	0.00815	Polysiloxane		100	0.062	0.062
14	Contact Spring	Palmet	0.0145	Copper	7440-50-8	16	0.018	0.111
				Nickel	7440-02-0	1	0.001	
				Palladium	7440-05-3	1	0.001	
				Platinum	7440-06-4	44	0.049	
				Silver	7440-22-4	38	0.042	
15	Slider	PBT	0.193	Glass	65997-17-3	30	0.443	1.476
				Antimony Oxide	1309-64-4	3	0.044	
				Antimony Compounds	7440-36-0	3	0.044	
				Poly(butylene terephthalate)	30965-26-5	64	0.945	
16	Collector Bar	Nickel Silver	0.065	Copper	7440-50-8	55	0.273	0.497
				Zinc	7440-66-6	27	0.134	
				Nickel	7440-02-0	18	0.089	
17	Strap	Nickel Silver	2.303	Copper	7440-50-8	65	11.447	17.611
				Nickel	7440-02-0	18	3.169	
				Zinc	7440-66-6	17	2.994	
18	Wiper Terminal	Brass	0.3	Copper	7440-50-8	70	1.606	2.294
				Zinc	7440-66-6	30	0.688	
		Plating	0.02739	Gold	7440-57-5	100	0.209	0.209
19	Epoxy	Epoxy	0.00563	Bisphenol A Diglycidyl Ether Resin	25068-38-6	49	0.021	0.043
				Silicon Dioxide	7440-21-3	17	0.007	
				Aluminum Silicate Hydroxide	1332-58-7	17	0.007	
				Antimony Trioxide	1309-64-4	17	0.007	
		Total weight	13.114					

This Document was updated on: January 17, 2007

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.