

# MATERIAL DECLARATION SHEET



Material Number	84-L (Single Cup, Wirewound)		
Product Line	Precision Potentiometer		
Compliance Date	March 03, 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	Mandrel Wire	Copper	2.252	Copper	7440-50-8	100	11.403	11.403
2	Resistive Wire	Alloy	0.5783	Nickel	7440-02-0	72	2.1083	2.928
				Chromium	7440-47-3	18	0.527	
				Aluminum	7429-90-5	3	0.088	
				silicon	7440-21-3	1	0.029	
				Copper	7440-50-8	2	0.059	
				Cobalt	7440-48-4	2	0.059	
				Manganese	7439-96-5	2	0.059	
3	Varnish	Varnish	0.1093	Phenolic Resin	1330-20-7	100	0.553	0.553
4	Body	PBT	2.25	Glass	65997-17-3	30	3.418	11.393
				Antimony Oxide	1309-64-4	2.5	0.285	
				Antimony Compounds	7440-36-0	2.5	0.285	
				Poly(butylene terephthalate)	30965-26-5	65	7.405	
5	Terminal TR X 2	Nickel Silver	0.196	Copper	7400-50-8	65	0.645	0.992
				Nickel	7440-02-0	18	0.179	
				Zinc	7440-66-6	17	0.169	
		Inlay	0.004292	Silver	7440-22-4	56	0.012	0.022
				Copper	7440-50-8	22	0.005	
				Zinc	7440-66-6	17	0.0037	
				Tin	7440-31-5	5	0.001	
		Plating	.0004	Gold	7440-57-5	100	0.022	0.0004

# MATERIAL DECLARATION SHEET



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6	Front Lid	PBT	0.5	Glass	65997-17-3	30	0.760	2.532
				Antimony Oxide	1309-64-4	2.5	0.06329	
				Antimony Compounds	7440-36-0	2.5	0.0633	
				Poly(butylene terephthalate)	30965-26-5	65	1.6456	
7	Rear Lid	PBT	0.45	Glass	65997-17-3	30	0.684	2.279
				Antimony Oxide	1309-64-4	2.5	0.057	
				Antimony Compounds	7440-36-0	2.5	0.057	
				Poly(butylene terephthalate)	30965-26-5	65	1.481	
8	Slider	Nylon	0.2152	Nylon	32131-17-2	59	0.643	1.090
				Glass Fibers	65997-17-3	30	0.327	
				Polytetrafluoroethylene	9002-84-0	11	0.120	
10	Contact Spring	Palmet	0.0104	Palladium	*7440-05-3	35	0.018	0.053
				Silver	7440-22-4	30	0.0158	
				Copper	7440-50-8	14	0.007	
				Gold	7440-57-5	10	0.005	
				Platinum	*7440-06-4	10	0.005	
				Zinc (metal)	7440-66-6	1	0.001	
11	Collector Bar	Nickel Silver	0.0699	Copper	7440-50-8	65	0.2301	0.354
				Nickel	7440-02-0	18	0.064	
				Zinc	7440-66-6	17	0.060	
		Plating	0.00034	Nickel	7440-02-0	100	0.002	0.002
Plating	0.00034	Gold	7440-57-5	100	0.00172	0.002		
12	Rotor	PBT	1.344	Glass	65997-17-3	30	2.0416	6.805
				Antimony Oxide	1309-64-4	2.5	0.1701	
				Antimony Compounds	7440-36-0	2.5	0.170	
				Poly(butylene terephthalate)	30965-26-5	65	4.423	

# MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

13	Wiper Terminal	Brass	0.0679	Copper	7440-50-8	70	0.241	0.344
				Zinc	7440-66-6	30	0.103	
		Plating	0.0002	Nickel	7440-02-0	100	0.00142	0.001
		Plating	0.0002	Gold	7440-57-5	100	0.00142	0.001
14	Rotor Driver	Zinc	0.968	Zinc	7440-66-6	95	4.6564	4.901
				Aluminum	7429-90-5	4	0.1961	
				Copper	7440-50-8	1	0.049	
15	Shaft	Brass	7.458	Copper	7440-50-8	61.5	23.224	37.763
				Zinc	7440-66-6	35.5	13.406	
				Lead	7439-92-1	3	1.133	
		Plating	0.00593	Nickel	7440-02-0	100	0.030	0.030
16	Rivet X4	Aluminum	0.68	Aluminum	7429-90-5	93.55	3.2211	3.443
				Chromium III	7440-47-3	1	0.034	
				Copper	7440-50-8	3	0.103	
				Iron	7439-89-6	0.7	0.024	
				Magnesium	7439-98-5	0.5	0.017	
				Manganese	7439-96-5	0.2	0.007	
				Silicon	7440-21-3	0.8	0.0275	
				Zinc	7440-66-6	0.25	0.009	
17	Bushing	Aluminum	0.9	Silicon	7440-21-3	0.7	0.032	4.557
				Iron	7439-89-6	0.34	0.015	
				Copper	7440-50-8	0.34	0.015	
				Manganese	7439-96-5	0.09	0.0041	
				Magnesium	7439-98-5	0.9	0.041	
				Chromium III	7440-47-3	0.09	0.004	
				Zinc	7440-66-6	0.05	0.0023	
				Titanium	7440-32-6	0.02	0.001	
				Aluminum	7429-90-5	97.47	4.442	

# MATERIAL DECLARATION SHEET



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18	Rear Cover	Stainless Steel	0.92	Carbon	7440-44-0	0.01	0.0005	4.658
				Manganese	7435-96-5	1.84	0.086	
				Phosphorus	7723-14-0	0.03	0.001	
				Sulfur	7704-34-9	0.002	0.0001	
				Silicon	7440-21-3	0.1	0.005	
				Chromium III	7440-47-3	18.61	0.867	
				Nickel	7440-02-0	9.9	0.461	
				Molybdenum	7439-92-1	0.42	0.020	
				Copper	7440-50-8	0.37	0.017	
				Nitrogen	7727-37-9	0.05	0.002	
				Iron	7439-89-6	68.67	3.199	
19	Front Cover	Stainless Steel	0.716	Carbon	7440-44-0	0.15	0.005	3.625
				Manganese	7435-96-5	2	0.073	
				Silicon	7440-21-3	1	0.036	
				Chromium III	7440-47-3	19	0.689	
				Nickel	7440-02-0	10	0.363	
				Iron	7439-89-6	67.85	2.460	
20	Washer	PTFE	0.007	Polytetrafluoroethylene	9002-84-0	15	0.005	0.035
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.030	
21	Spring Washer	Beryllium Copper	0.031	Copper	7440-50-8	98.1	0.154	0.157
				Silicon	7440-21-3	0.2	0.0003	
				Beryllium	7440-41-7	2	0.003	
				Aluminum	7429-90-5	0.2	0.0003	
22	Lube (Shaft)	Grease	0.00865	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.95	0.030	0.044
				Lithium Stearate	4485-12-5	25.36	0.011	
				Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	4.8	0.002	
				Diphenylamine	122-39-4	0.89	0.0004	

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23	Lube (Element, Coll Barr, and Terminal Wiper)	Grease	0.0068	Siloxanes and Silicones, di-Me, polymers with tetrachlorophenyl silsesquioxanes	68957-05-1	100	0.034	
		Total weight	19.749352					

**This Document was updated on:** Aug 20, 2007

**Important remarks:**

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