


MATERIAL DECLARATION SHEET



Material Number	3548S			
Product Line	Precision Potentiometer			
Compliance Date	January 31, 2007			
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	Wiper Terminal	Brass	0.264	Copper	7440-50-8	70	0.93	1.329
				Zinc	7440-66-6	30	0.399	
		Under Plating	0.012	Nickel	7440-02-0	100	0.06	0.06
		Finish Plating	0.0026	Gold	7440-57-5	100	0.013	0.013
2	Cover	Nylon	0.972	Nylon	32131-17-2	45	2.202	4.893
				Glass	65997-17-3	40	1.957	
				PTFE		13	0.636	
				Silicon	7440-21-3	2	0.098	
3	Slider	Nylon	0.238	Nylon	32131-17-2	45	0.539	1.198
				Glass	65997-17-3	40	0.479	
				PTFE		13	0.156	
				Silicon	7440-21-3	2	0.024	
4	Contact Spring	Palmet	0.013	Copper	7440-50-8	16	0.011	0.065
				Nickel	7440-02-0	1	0.0007	
				Palladium	7440-05-3	1	0.0007	
				Platinum	7440-22-4	44	0.029	
				Silver	7440-22-4	38	0.025	

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5	Housing	PBT	3.108	Glass	65997-17-3	30	4.693	15.644
				Antimony Oxide	1309-64-4	3	0.469	
				Antimony Compound	7440-36-0	3	0.469	
				Carbon Black	1333-86-4	1	0.156	
				Tetrahydrofuran	109-99-9	1	0.156	
				Poly(butylene terephthalate)	30965-26-5	62	9.699	
6	Mandrel Wire	Copper	1.13	Copper	7440-50-8	100	5.688	5.688
		Coating	0.0000519	Polyamide		100	0.0003	0.0003
7	Resistive Wire	Metal	0.2229	Nickel	7440-02-0	45	0.505	1.122
				Copper	7440-50-8	55	0.617	
8	Element Epoxy	Epoxy	0.0005	resin(epoxy resin and cresyl glycidyl ether) + Catalyst (Polyamide system)		61	0.001	0.003
				pigment(Phthalocyanine in Bisphenol A and TiO2)		3	0.0001	
				fillers(Antimony Oxide + Hydrated Alumina + Magnesium Aluminum Silicate + Alumimum slicate)		36	0.0009	
9	Terminal Cover	PPS	0.237	Polyphenylene Sulfide	9016-75-5	58	0.692	1.193
				Glass	65997-17-3	42	0.501	
10	T.R. Terminal X 2	Nickel Silver	0.082	Copper	7440-50-8	65	0.268	0.0413
				Zinc	7440-66-6	17	0.07	
				Nickel	7440-02-0	18	0.074	
		Solder Inlay	0.00005	Silver	7440-22-4	56	0.0001	0.0003
				Copper	7440-50-8	22	0.00005	
				Zinc	7440-66-6	17	0.00004	
				Tin	7440-31-5	5	0.00001	
		Plating	0.00037	Gold	7440-57-5	100	0.002	0.002

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11	Element, Terminal, and Collector Bar Lube	Lube	0.005	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.014	0.025	
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.001		
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.008		
				Polyisobutylene	9003-27-4	6.2	0.001		
12	Tab	Nickel	0.1924	Nickel	7440-02-0	100	0.968	0.968	
		Inlay	0.01757	Silver	7440-22-4	56	0.049		0.088
				Copper	7440-50-8	22	0.019		
				Zinc	7440-66-6	17	0.015		
				Tin	7440-31-5	5	0.004		
13	Rotor	Nylon	1.372	Nylon	32131-17-2	45	3.108	6.906	
				Glass	65997-17-3	40	2.762		
				PTFE		13	0.898		
				Silicon	7440-21-3	2	0.138		
14	Shaft	Brass	7.693	Copper	7440-50-8	61.5	23.815	38.723	
				Zinc	7440-66-6	35.5	13.747		
				Lead	7439-92-1	3	1.162		
		Plating	0.0293	Nickel	7440-02-0	100	0.148	0.148	
15	Washer X 2	Stainless Steel	0.05	Carbon	7440-44-0	0.15	0.0004	0.252	
				Manganese	7439-96-5	2	0.005		
				Silicon	7440-21-3	1	0.002		
				Chromium	7440-47-3	18	0.045		
				Nickel	7440-02-0	9	0.023		
				Iron	7439-89-6	69.85	0.176		
16	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.045	
				Manganese	7439-96-5	1	0.0005		
				Silicon	7440-21-3	1	0.0005		
				Chromium	7440-47-3	13	0.006		
				Iron	7439-98-7	84.85	0.0381.249		

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17	Lid	PBT	0.827	Glass	65997-17-3	30	0.125	4.163
				Antimony Oxide	1309-64-4	3	0.125	
				Antimony Compound	7440-36-0	3	0.042	
				Carbon Black	1333-86-4	1	0.042	
				Tetrahydrofuran	109-99-9	1	2.581	
				Poly(butylene terephthalate)	30965-26-5	62	10.244	
18	Bushing	Brass	3.309	Copper	7440-50-8	61.5	5.913	16.656
				Zinc	7440-66-6	35.5	0.499	
				Lead	7439-92-1	3	0.017	
19	Bushing Lube	Lube	0.005	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.947	0.006	0.025
				Lithium Stearate	4485-12-5	25.368	0.001	
				Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	4.789	0.0002	
				Diphenylamine	122-39-4	0.895	0.0002	
20	Collector Bar	Nickel Silver	0.074	Nickel	7440-44-0	18	0.067	0.373
				Copper	7440-50-8	55	0.205	
				Zinc	7440-66-6	27	0.101	
		Plating	0.0009	Gold	7440-57-5	100	0.005	0.005
		Total weight	19.867					

This Document was updated on: January 30, 2007

Important remarks:

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