


MATERIAL DECLARATION SHEET



Material Number	6574S series			
Product Line	Precision Potentiometer			
Compliance Date	2008			
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	Clamp Ring	Stainless Steel	1.6	Carbon	7440-44-0	0.15	0.003	1.974
				Manganese	7439-96-5	2	0.039	
				Silicon	7440-21-3	1	0.019	
				Chromium	7440-47-3	18	0.355	
				Nickel	7440-02-0	9	0.177	
				Iron	7439-89-6	69.8	1.38	
2	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.00002	0.011
				Manganese	7439-96-5	1	0.0001	
				Silicon	7740-21-3	1	0.0001	
				Chromium	7740-47-3	13	0.001	
				Iron	7439-89-6	85	0.009	
3	Screw	Stainless Steel	0.1	Carbon	7440-44-0	0.15	0.018	0.123
				Manganese	7439-96-5	2	0.002	
				Silicon	7740-21-3	1	0.001	
				Chromium	7740-47-3	18	0.022	
				Nickel	7740-02-0	9	0.011	
				Iron	7439-89-6	55	0.068	
4	Bearing Ball	Stainless Steel	1.5	Carbon	7440-44-0	1	0.018	1.848
				Silicon	7440-21-3	1	0.018	
				Manganese	7439-96-5	1	0.018	
				Phosphorus	7723-14-0	0.04	0.0007	
				Sulfur	7704-39-9	0.03	0.0005	
				Chromium	7440-47-3	17	0.314	
				Nickel	7740-02-0	0.6	0.011	
				Molybdenum	7439-98-7	0.75	0.014	
				Iron	7439-89-6	78.6	1.452	

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5	Cover	Aluminum	22.3	Silicon	7440-21-3	0.7	0.192	27.476
				Iron	7439-89-6	0.34	0.093	
				Copper	7440-50-8	0.34	0.093	
				Manganese	7439-96-3	0.09	0.025	
				Magnesium	7439-98-5	0.9	0.247	
				Chromium	7440-47-3	0.09	0.025	
				Zinc	7440-66-6	0.05	0.013	
				Titanium	7440-32-6	0.02	0.005	
				Aluminum	7429-90-5	97.5	26.781	
6	Collector Arm	Beryllium Copper	1.215	Beryllium	7440-41-7	1.5	0.022	1.497
				Copper	7440-50-8	98.1	1.468	
				Silicon	7740-21-3	0.2	0.003	
				Aluminum	7429-90-5	0.2	0.003	
7	Contact Spring	Precious Metal	0.0192	Palladium	7440-05-3	35	0.008	0.024
				Silver	7440-22-4	30.1	0.007	
				Copper	7440-50-8	14	0.003	
				Gold	7440-57-5	10	0.002	
				Platinum	7440-06-4	10	0.002	
				Zinc (metal)	7440-66-6	0.9	0.0002	
8	Bearing Ball	Stainless Steel	0.3	Carbon	7440-44-0	1	0.004	0.369
				Silicon	7440-21-3	1	0.004	
				Manganese	7439-96-5	1	0.004	
				Phosphorus	7723-14-0	0.04	0.0001	
				Sulfur	7704-39-9	0.03	0.0001	
				Chromium	7440-47-3	17	0.062	
				Nickel	7740-02-0	0.6	0.002	
				Molybdenum	7439-98-7	0.75	0.002	
				Iron	7439-89-6	78.6	0.291	
9	Collector Ring Gold	Nickel Silver	0.21	Copper	7440-50-8	65	0.168	0.259
				Nickel	7440-22-4	18	0.046	
				Zinc	7440-66-6	17	0.044	

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		Plating	0.0001917	Gold	7440-57-5	100	0.0002	0.0002
10	Teflon Washer	PTFE	0.04	Polytetrafluoroethylene	9002-84-0	15	0.007	0.049
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.042	
11	Substrate	Diallyl Phthalate	3.7	Diallyl Phthalate	25053-15-0	34	1.55	4.559
				Calcium Silicate	13983-17-0	15	0.684	
				Glass Fiber	65997-17-3	33	1.504	
				Alumina Trihydrate	21645-51-2	10	0.456	
				Antimony Trioxide	1309-64-4	3	0.137	
				Bis (tetrabromophthalimido)ethane	32588-76-4	5	0.228	
12	Termination Ink	Ink	0.0005	Formaldehyde Polymer with Phenol & Methylphenol	9039-25-2	14	0.0001	0.0006
				2-Ethyl Acetate	124-17-4	24	0.0001	
				Silver	7440-22-4	62	0.0004	
13	Ink	Ink	0.003	Phenolic Resin		67	0.001	0.004
				Teflon	9002-84-0	1	0.00004	
				Fume Silica	112945-52-5	1	0.00004	
				Barium Sulfate	7727-43-7	17	0.0003	
				Titanium Dioxide	13463-67-7	5	0.0002	
Carbon Black	1333-86-4	9	0.0004					
14	Lead Wire	Nickel	0.021	Nickel	7440-02-0	100	0.026	0.026
		Plating	0.0000191	Gold	7440-57-5	100	0.0002	0.00002
15	Lead Wire	Nickel	0.021	Nickel	7440-02-0	100	0.026	0.026
16	Lid	Aluminum	40.6	Silicon	7440-21-3	0.7	0.35	50.039
				Iron	7439-89-6	0.34	0.17	
				Copper	7440-50-8	0.34	0.17	
				Manganese	7439-96-3	0.09	0.045	
				Magnesium	7439-98-5	0.9	0.45	
				Chromium	7440-47-3	0.09	0.045	
				Zinc	7440-66-6	0.05	0.025	
				Titanium	7440-32-6	0.02	0.01	

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				Aluminum	7429-90-5	97.47	48.774	
17	Terminal	Brass	0.096	Copper	7440-50-8	57	0.067	0.118
				Lead	7439-92-1	2	0.002	
				Tin	7440-31-5	1	0.001	
				Zinc	7440-66-6	40	0.047	
		Phenolic resin	0.016	Phenol	108-95-2	5	0.001	0.019
				Carbon Black	1333-86-4	10	0.002	
				Coal Dust		10	0.002	
				Graphite	7782-42-5	30	0.006	
				Mica	12001-26-2	35	0.007	
				Talc	14807-96-6	10	0.002	
18	Rotor Molded	Diallyl Phthalate	0.53	Diallyl Phthalate	25053-15-0	34	0.222	0.653
				Calcium Silicate	13983-17-0	15	0.098	
				Glass Fiber	65997-17-3	33	0.215	
				Alumina Trihydrate	21645-51-2	10	0.065	
				Antimony Trioxide	1309-64-4	3	0.019	
				Bis (tetrabromophthalimido) ethane	32588-76-4	5	0.033	
19	Shaft	Stainless Steel	8.743	Carbon	7440-44-0	0.15	0.016	10.773
				Manganese	7439-96-5	2	0.215	
				Silicon	7740-21-3	1	0.107	
				Chromium	7740-47-3	18	1.939	
				Nickel	7740-02-0	9	0.969	
				Iron	7439-89-6	69.7	7.51	
				Sulfur	7446-09-5	0.15	0.016	
20	Washer	Stainless Steel	0.012	Iron	7439-89-6	55	.0008	0.015
				Carbon	7440-44-0	15	0.002	
				Chromium	7440-47-3	18	0.003	
				Manganese	7439-96-3	2	0.0003	
				Nickel	7440-02-0	9	0.001	

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				Silicon	7440-21-3	1	0.0001	
21	Washer	Stainless Steel	0.041	Iron	7439-89-6	55	0.028	0.05
				Carbon	7440-44-0	15	0.008	
				Chromium	7440-47-3	18	0.009	
				Manganese	7439-96-3	2	0.001	
				Nickel	7440-02-0	9	0.004	
				Silicon	7440-21-3	1	0.0005	
22	Washer Teflon	PTFE	0.085	Polytetrafluoroethylene	9002-84-0	15	0.016	0.105
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.089	
		Total weight	81.159					

This Document was updated on: October 5, 2009

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemption used: 6c Lead as an alloying element in copper containing up to 4% lead by weight.
3. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.