


MATERIAL DECLARATION



Material Number	PDF24			
Product Line	POTENTIOMETER			
Compliance Date	2015/12/14			
RoHS Compliant	YES	MSL	N/A	

No.	Construction element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CAS-No. If applicable	Material mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Shaft	SUS303	4.42	Carbon	7440-44-0	0.06%	0.02	28.33
				Manganese	7439-96-5	2.20%	0.62	
				Silicon	7440-21-3	0.27%	0.08	
				Phosphorus	7723-14-0	0.03%	0.01	
				Sulfur	7704-34-9	0.31%	0.09	
				Chromium	7440-47-3	17.20%	4.87	
				Nickel	7440-02-0	8.20%	2.32	
				Copper	7440-50-8	2.20%	0.62	
				Iron	7439-89-6	69.53%	19.70	

MATERIAL DECLARATION



2	Element	Fiber glassboard	0.448	Glass Fabric	65997-17-3	44.00%	1.26	2.87
				Brominated resin	26265-08-7	40.00%	1.15	
				Copper	7440-50-8	16.00%	0.46	
		Carbon Plasm	0.077	Carbon Black	1333-86-4	88.61%	0.44	0.49
				Talc	14807-96-6	5.06%	0.02	
				Silver	7440-22-4	6.33%	0.03	
		Silver Plasm	0.064	Phenolic resin	9039-25-2	19.87%	0.082	0.41
				Silver	7440-22-4	66.23%	0.271	
				Glass powder	65997-17-3	0.66%	0.003	
				Graphite	7782-42-5	6.62%	0.027	
		White Oil	0.051	Epoxy Resin	25085-99-8	52.63%	0.18	0.33
				Barium Sulfate Talc	7727-43-7	15.79%	0.05	
Titanium sulfate	13463-67-7			31.58%	0.10			
3	STOP PLATE	PA66	0.417	Nylon	32131-17-2	65.00%	1.74	2.67
				Glass Fabric	65997-17-3	32.00%	0.85	
				Polymer	76024-18-9	3.00%	0.08	
4	Terminal	C2680R Brass	0.317	Copper	7440-50-8	68.00%	1.38	2.03
				Zinc	7440-66-6	32.00%	0.65	
		Tin plating	0.017	Tin	7440-31-5	100.00%	0.11	0.11

MATERIAL DECLARATION



5	Slider	C5210R Phosphor Bronze	0.01805	Copper	7440-50-8	91.70%	0.11004	0.12
				Tin	7440-31-5	8.00%	0.0096	
				Zinc	7440-66-6	0.20%	0.00024	
				Lead	7439-92-1	0.01%	0.000012	
				Iron	7439-89-6	0.04%	0.000048	
				Phosphorus	7723-14-0	0.05%	0.00006	
		Silver plating	0.00095	Silver	7440-22-4	100.00%	0.01	0.01
6	Spring washer	SPCC	0.048	Iron	7439-89-6	80.43%	0.249333	0.31
				Carbon	7440-44-0	18.50%	0.05735	
				Manganese	7439-96-5	0.70%	0.00217	
				phosphorus	7723-14-0	0.35%	0.001085	
				Silicon	7440-21-3	0.02%	0.000062	
		Nickel plating	0.003	Nickel	7440-02-0	100.00%	0.02	0.02

MATERIAL DECLARATION



7	Base	Zinc Alloy	0.622	Zinc	7440-66-6	95.00%	3.7905	3.99
				Aluminum	7429-90-5	4.13%	0.1648	
				Magnesium	7439-95-4	0.04%	0.0016	
				Iron	7439-89-6	0.83%	0.0331	
		Fiber glassboard	0.445	Glass Fabric	65997-17-3	44.00%	1.254	2.85
				Brominated Resin	26265-08-7	40.00%	1.14	
				Copper	7440-50-8	16.00%	0.456	
		SPCC	0.723	Iron	7439-89-6	80.43%	3.724	4.63
				Carbon	7440-44-0	18.50%	0.857	
				Manganese	7439-96-5	0.70%	0.032	
				Phosphorus	7723-14-0	0.35%	0.016	
				Silicon	7440-21-3	0.02%	0.001	
		PBT	0.942	Polybutylene Terephthalate	30965-26-5	35.00%	2.114	6.04
				Brominated epoxy resin	68928-70-1	25.00%	1.51	
				Antimony oxide	1309-64-4	10.00%	0.604	
				Glass fiber	65997-17-3	30.00%	1.812	

MATERIAL DECLARATION



8	Stator	SK5	0.064	Carbon	7440-44-0	0.88%	0.003608	0.41
				Silicon	7440-21-3	0.20%	0.00082	
				Manganese	7439-96-5	0.40%	0.00164	
				Phosphorus	7723-14-0	0.02%	0.000082	
				Sulfur	7704-34-9	0.01%	0.000041	
				Chromium	7440-47-3	0.15%	0.000615	
				Nickel	7440-02-0	0.02%	0.000082	
				Copper	7440-50-8	0.02%	0.000082	
				Iron	7439-89-6	98.30%	0.40303	
9	Case	SPCC	2.216	Iron	7439-89-6	80.43%	11.421	14.20
				Carbon	7440-44-0	18.50%	2.627	
				Manganese	7439-96-5	0.70%	0.0995	
				Phosphorus	7723-14-0	0.35%	0.0497	
				Silicon	7440-21-3	0.02%	0.0028	
	Tin plating	0.117	Tin	7440-31-5	100.00%	0.75	0.75	
10	Shaft Set	Zinc Alloy	3.753	Zinc	7440-66-6	95.00%	22.856	24.06
				Aluminum	7429-90-5	4.13%	0.994	
				Magnesium	7439-95-4	0.04%	0.010	
				Iron	7439-89-6	0.83%	0.200	

MATERIAL DECLARATION



11	Shaft Oil	/	0.02	Polyisobutylene	9003-27-4	60.00%	0.078	0.13
				PAO	68037-01-4	35.00%	0.0455	
				Fumed Silica	68611-44-9	5.00%	0.0065	
12	Gasket	SUS301	0.019	Silicon	7440-21-3	0.60%	0.00072	0.12
				Manganese	7439-96-5	1.14%	0.001368	
				Nickel	7440-02-0	8.31%	0.009972	
				Chromium	7440-47-3	18.32%	0.021984	
				Iron	7439-89-6	71.63%	0.085956	
13	Nut	Zinc Alloy	0.53	Zinc	7440-66-6	95.00%	3.23	3.40
				Aluminum	7429-90-5	4.13%	0.14042	
				Magnesium	7439-95-4	0.04%	0.00136	
				Iron	7439-89-6	0.83%	0.02822	
14	Washer	SPCC	0.255	Iron	7439-89-6	80.43%	1.319052	1.64
				Carbon	7440-44-0	18.50%	0.3034	
				Manganese	7439-96-5	0.70%	0.01148	
				Phosphorus	7723-14-0	0.35%	0.00574	
				Silicon	7440-21-3	0.02%	0.000328	
		Tin plating	0.013	Tin	7440-31-5	100.00%	0.08	0.08
		Total weight (g)	15.6					

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This Document was updated on: 2015.12.14

Important remarks:

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