


MATERIAL DECLARATION SHEET



Material Number	PRS11R			
Product Line	Rotary Potentiometer			
Compliance Date	7-31-2019			
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	EL-Terminal	Steel	0.0552	Carbon	7440-44-0	5	0.06172	1.2344
				Manganese	7439-96-5	22	0.2716	
				Phosphorus	7723-14-0	13	0.1605	
				Sulfur	7704-34-9	10	0.1234	
				Silicon	7440-21-3	1	0.0123	
				Aluminum	7429-90-5	49	0.6049	
		Tin plating	0.0048	Tin	7440-31-5	100	0.1073	0.1073
2	PCB	Bakelite Plastic	0.08	Phenolic Resin	9003-08-1	>97	1.7353	1.789
				Carbon black	1333-86-4	<2	0.0358	
				Silver	7440-22-4	<1	0.0179	
3	EL-Block	PBT	0.26	PBT	26062-94-2	70	4.06994	5.8142

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	(Housing)	(30% GF reinforced)		Glass Fiber	65997-17-3	30	1.74426	
				Additive, not to declare	N/A	1	0.058142	
4	SW-Terminal	Phosphor Bronze	0.138	Lead	7439-92-1	0.003	0.00009	3.0860
				Iron	7439-89-6	0.002	0.00006	
				Zinc	7440-66-6	0.005	0.00015	
				Copper	7440-50-8	99.97	3.08507	
				Tin	7440-31-5	0.01	0.00031	
		Phosphorus	7723-14-0	0.01	0.00031			
		Ag Plating	0.012	Silver	7440-22-4	100	0.2683	0.2683
5	Switch-Block (back cover)	PBT (30% Glass Fiber)	0.3	PBT	26062-94-2	70	4.69609	6.7087
				Glass Fiber	65997-17-3	28	1.878436	
				Additive, not to declare	N/A	2	0.134174	
6	Slide Contact Holder (Rotor)	PBT	0.03	PBT	26062-94-2	70	0.46963	0.6709
				Glass Fiber	65997-17-3	28	0.187852	
				Additive, not to declare	N/A	2	0.013418	
7	Stopper Plate	Zinc Casting	0.14	Zinc	7440-66-6	95.9374	3.0035122	3.1307

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		alloy		Cadmium	7440-43-9	0.0004	0.0000125	
				Copper	7440-50-8	0.001	0.0000313	
				Iron	7439-89-6	0.002	0.0000626	
				Indium	7440-74-6	0.0005	0.0000156	
				Magnesium	7439-95-4	0.05	0.0015653	
				Nickel	7440-02-0	0.001	0.0000313	
				Lead	7439-92-1	0.002	0.0000626	
				Silicon	7440-21-3	0.005	0.0001565	
				Tin	7440-31-5	0.0005	0.0000156	
				Tantalum	7440-25-7	0.0002	0.0000063	
				Aluminum	7429-90-5	4.0	0.125228	
8	Leaf Spring	Phosphor Bronze	0.1	Tin	7440-31-5	0.011	0.000246	2.2362
				Lead	7439-92-1	0.003	0.000067	
				Iron	7439-89-6	0.002	0.000045	
				Zinc	7440-66-6	0.004	0.000089	
				Copper	7440-50-8	99.85	2.23284	
				Phosphorus	7723-14-0	0.13	0.00291	
9	Bushing	Zinc Casting	2.331	Zinc	7440-66-6	95.9374	50.00900	52.1267

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		alloy		Cadmium	7440-43-9	0.0004	0.00021	
				Copper	7440-50-8	0.001	0.00052	
				Iron	7439-89-6	0.002	0.00104	
				Indium	7440-74-6	0.0005	0.00026	
				Magnesium	7439-95-4	0.05	0.02606	
				Nickel	7440-02-0	0.001	0.00052	
				Lead	7439-92-1	0.002	0.00104	
				Silicon	7440-21-3	0.005	0.00261	
				Tin	7440-31-5	0.0005	0.00026	
				Tantalum	7440-25-7	0.0002	0.00010	
				Aluminum	7429-90-5	4	2.08507	
10	Shaft	Aluminium	0.4028	Silicon	7440-21-3	0.125	0.01125	9.0076
				Iron	7439-89-6	0.176	0.01584	
				Copper	7440-50-8	5.357	0.48217	
				Zinc	7440-66-6	0.133	0.01197	
				Titanium	7440-32-6	0.05	0.00450	
				Tin	7440-31-5	0.69	0.06210	
				Bismuth	7440-69-9	0.536	0.04824	
				Aluminum	7429-90-5	92.933	8.36471	
11	Attaching Plate	Plate	0.485	Carbon	7440-44-0	3.1	0.33622	10.8457

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				Silicon	7440-21-3	1	0.10846	
				Manganese	7439-96-5	21.6	2.34267	
				Phosphorus	7723-14-0	11.3	1.22556	
				Sulfur	7704-34-9	12.4	1.34487	
				Copper	7440-50-8	1	0.10846	
				Iron	7439-89-6	49.6	5.37947	
		Tin coating	0.015	Tin	7440-31-5	3	0.32537	0.3354
12	C-clip	Piano Wire	0.009	Carbon	7440-44-0	0.827	0.001665	0.2013
				Iron	7439-92-1	98.378	0.198065	
				Silicon	7440-21-3	0.313	0.000630	
				Manganese	7439-96-5	0.460	0.000926	
				Phosphorus	7723-14-0	0.009	0.000018	
				Sulfur	7704-34-9	0.003	0.000006	
				Cobalt	7440-48-4	0.010	0.00002	
13	Switch Dome	Titanium with copper alloy	0.0582	Copper	7440-50-8	96.6	1.257	1.3015
				Titanium	7440-32-6	3.4	0.044	
		Ag Plating	0.0018	Silver	7440-22-4	100	0.0403	0.0403
14	Actuator	PA66	0.049	Polyamide 66	32131-17-2	100	1.0957	1.0958

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Total weight (g)	4.4718
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This Document was updated on: 7-31-19

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Shaft weight may vary slightly depending on choice of horizontal or vertical mount.