


# MATERIAL DECLARATION SHEET



Material Number	PSM Motorized Slide Potentiometer			
Product Line				
Compliance Date	9-22-09			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Materials/Substances	CASRN if applicable	Materials mass [%]	Material mass % of total unit wt.	Subpart mass of total wt [%]
1	Slide contact holder	POM	0.75	Polyoxymethylene	30846-29-8	100	1.103	1.106
	Cam		0.124				0.182	0.183
	Spacer		0.095				0.14	0.14
	Gear wheel		0.11				0.162	0.162
2	Lever	t1.2 Steel	2.8	Carbon	7440-44-0	0.040	0.0016	4.13
				Manganese	7439-96-5	0.210	0.009	
				Phosphorus	7803-51-2	0.011	0.0004	
				Sulfur	7704-34-9	0.013	0.0005	
				Silicon	14464-46-1	0.010	0.0004	
				Aluminum	7429-90-5	0.045	0.0019	
				Iron	1345-25-1	99.671	4.104	
	Nickel Plating (2~3 um)	Nickel	7440-02-0	100				
3	Rivet	Brass	0.42	Copper	7440-50-8	57	0.352	0.619
				Lead	7439-92-1	1.8	0.011	
				Iron	7439-89-6	0.5	0.003	
				Tin	7440-31-5	1.2	0.007	
				Zinc	7440-66-6	39.5	0.244	

# MATERIAL DECLARATION SHEET



4	Slide contact	t0.08 Phosphor Bronze	0.035	Iron	7439-89-6	0.1	<0.0001	0.052
				Copper	7440-50-8	93.45	0.05	
		Tin		7440-31-5	6.25	0.002		
		Phosphorus		7803-51-2	0.2	<0.0001		
		Ag Plating 0.3~1 um		Silver	7440-22-4	100		
5	Slide contact	t0.1 Nickel Silver	0.01	Copper	7440-50-8	54.786	0.008	0.015
				Nickel	7440-02-0	17.570	0.003	
				Zinc	7440-66-6	27.260	0.004	
				Lead	7439-92-1	0.001	<0.0001	
				Tin	7440-31-5	0.002	<0.0001	
				Iron	7439-89-6	0.028	<0.0001	
				Manganese	7439-96-5	0.350	<0.0001	
				Silicon	14464-46-1	0.002	<0.0001	
6	Belt	PU Ni plating 2~3um	1.9	Polyurethane	9009-54-5	100	2.79	2.8
7	Attaching plate	t0.5 Steel	27.5	Carbon	7440-44-0	0.040	0.016	40.86
				Manganese	7439-96-5	0.210	0.085	
				Phosphorus	7803-51-2	0.011	0.004	
	Screw(VR)		0.2	Sulfur	7704-34-9	0.013	0.005	
				Silicon	14464-46-1	0.010	0.004	
				Aluminum	7429-90-5	0.045	0.018	
				Iron	7439-89-6	99.671	40.60	
Screw (MOTOR)	Zinc Plating 5~8 um	0.045	Zinc	7440-66-6	100	0.066	0.066	
8	Element	Bakelite Plastic	2.742	Phenolic Resin	9003-08-1	52	2.097	4.13
				High Insulation Resistance Paper		48	1.935	
	Resistor	Carbon Film	0.058	Xylenol Resin		65	0.055	
				Carbital		20	0.017	
				Carbon	7440-44-0	15	0.013	

# MATERIAL DECLARATION SHEET



9	Terminal	t0.5 Steel (terminal & frame)	0.504	Carbon	7440-44-0	0.040	0.009	22.13
	Frame			Manganese	7439-96-5	0.290	0.064	
				Phosphorus	7803-51-2	0.014	0.003	
		Sulfur	7704-34-9	0.008	0.002			
		Silicon	14464-46-1	0.010	0.002			
		Aluminum	7429-90-5	0.051	0.011			
	Holding plate	Iron	7439-89-6	99.587	21.97			
		Tin	7440-31-5	100				
10	Motor	Motor	16	Motor spec (RoHS compliant)			23.6	23.6
		Total weight	67.793					

This Document was updated on: **September 28, 2009**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemptions used: 6c – lead as an alloying element in copper containing up to 4% lead by weight.