


# MATERIAL DECLARATION



Material #	PTV09A-2			
Product Line	Potentiometer			
Compliance Date	Since Inception			
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	Shaft	PC	0.305	Polycarbonate	25037-45-0	100	17.135	17.135
2	Element	Bakelite	0.2	Silica fused	60676-86-0	68	7.64	11.236
				Epoxy cresol novolac	39690-82-2	20	2.247	
				Phenol novolac	9003-35-4	7	0.787	
				Antimony trioxide	1309-64-4	3	0.337	
				Brominated epoxy black	40039-93-8	2	0.225	
3	Housing	PBT	0.2	Glass	65997-17-3	30	3.371	11.236
				Polybutylene terephthalate	30965-26-5	65	7.303	
				Antimony Oxide	1309-64-4	5	0.562	
4	Wiper	Copper(Without plating)	0.1	Copper	7440-50-8	91.68	5.15	5.618
				Tin	7440-31-5	8.167	0.459	

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				Phosphorus	7723-14-0	0.153	0.009	
5	Terminals	SPCC-SD	0.09×3	Carbon	7440-44-0	0.5	0.076	15.168
				Manganese	7439-96-5	6	0.91	
				Phosphorus	7723-14-0	5	0.758	
				Iron	7439-89-6	88	13.348	
				Silicon	7440-21-3	0.5	0.076	
		Plating	N/A	Cu(Inner layer,thickness:1-3um) Sn(Outer layer,thickness:2-3um)	7440-50-8 7440-31-5	100	N/A	
6	Bracket	SPCC-SD	0.7	Carbon	7440-44-0	0.5	0.197	39.326
				Manganese	7439-96-5	6	2.36	
				Phosphorus	7723-14-0	5	1.966	
				Iron	7439-89-6	88	34.606	
				Silicon	7440-21-3	0.5	0.197	
		Plating	N/A	Cu(Inner layer,thickness:1-3um) Sn(Outer layer,thickness:2-3um)	7440-50-8 7440-31-5	100	N/A	
7	Lube	Polysiloxane	0.005	Polysiloxane	63148-62-9	100	0.281	0.281
		Total weight	1.78					

**This Document was updated on: Aug 06, 2013**

**The weight was measured by model PTV09A-2020F-B203.**