


# MATERIAL DECLARATION



Material #	PTV09A-4			
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	18.048	18.048
2	Element	Bakelite	0.2	Silica fused	60676-86-0	68	8.047	11.834
				Epoxy cresol novolac	39690-82-2	20	2.367	
				Phenol novolac	9003-35-4	7	0.828	
				Antimony trioxide	1309-64-4	3	0.355	
				Brominated epoxy black	40039-93-8	2	0.237	
3	Housing	PBT	0.2	Glass	65997-17-3	30	3.55	11.834
				Polybutylene terephthalate	30965-26-5	65	7.692	
				Antimony Oxide	1309-64-4	5	0.592	
4	Slider	Copper(Without plating)	0.1	Copper	7440-50-8	91.68	5.425	5.917
				Tin	7440-31-5	8.167	0.483	
				Phosphorus	7723-14-0	0.153	0.009	

# MATERIAL DECLARATION



5	Terminals	SPCC-SD	0.26	Carbon	7440-44-0	0.5	0.08	15.385
				Manganese	7439-96-5	6	0.958	
				Phosphide	8949-19-2	5	0.799	
				Iron	7439-89-6	88	14.059	
				Silicon	7440-21-3	0.5	0.08	
		Plating	0.01	Cu(Inner layer,thickness:1-3um)	7440-50-8	30	0.177	0.591
				Sn(Outer layer,thickness:2-3um)	7440-31-5	70	0.414	
6	Frame	SPCC-SD	0.595	Carbon	7440-44-0	0.5	0.18	35.207
				Manganese	7439-96-5	6	2.166	
				Phosphide	8949-19-2	5	1.805	
				Iron	7439-89-6	88	31.764	
				Silicon	7440-21-3	0.5	0.18	
		Plating	0.015	Cu(Inner layer,thickness:1-3um)	7440-50-8	30	0.266	0.888
				Sn(Outer layer,thickness:2-3um)	7440-31-5	70	0.622	
7	Lube	Polysiloxane	0.005	Polysiloxane	9011-19-2	100	0.296	0.296
		Total weight	1.69					

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

**The weight was measured by model PTV09A-4020F-B104.**