


MATERIAL DECLARATION

Material #	PTV09A-6			
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	0.75	Polycarbonate	25037-45-0	100	20.271	20.271
2	Element	Bakelite	0.2	Silica fused	60676-86-0	68	3.676	5.405
				Epoxy cresol novolac	39690-82-2	20	1.081	
				Phenol novolac	9003-35-4	7	0.378	
				Antimony trioxide	1309-64-4	3	0.162	
				Brominated epoxy black	40039-93-8	2	0.108	
3	Housing	PBT	0.2	Glass	65997-17-3	30	1.622	5.405
				Polybutylene terephthalate	30965-26-5	65	3.513	
				Antimony Oxide	1309-64-4	5	0.27	
4	Wiper	Copper(Without plating)	0.1	Copper	7440-50-8	91.68	2.478	2.703
				Tin	7440-31-5	8.167	0.221	
				Phosphorus	7723-14-0	0.153	0.004	

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5	Terminals	SPCC-SD	0.09×3	Carbon	7440-44-0	0.5	0.0365	7.297
				Manganese	7439-96-5	6	0.438	
				Phosphorus	7723-14-0	5	0.365	
				Iron	7439-89-6	88	6.421	
				Silicon	7440-21-3	0.5	0.0365	
		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	0.8	Carbon	7440-44-0	0.5	0.108	21.622
				Manganese	7439-96-5	6	1.297	
				Phosphorus	7723-14-0	5	1.081	
				Iron	7439-89-6	88	19.028	
				Silicon	7440-21-3	0.5	0.108	
		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	Bushing	ZINC ALLOY	1.375	Zinc	7440-66-6	94.82	35.237	37.162
				Aluminum	7429-90-5	4.16	1.546	
				Magnesium	7439-95-4	0.1	0.037	
				Copper	7440-70-2	0.9	0.335	
				Silicon	7440-21-3	0.02	0.007	
8	Lube	Polysiloxane	0.005	Polysiloxane	63148-62-9	100	0.135	0.135
		Total weight	3.7					

This Document was updated on: Aug 06, 2013

The weight was measured by model PTV09A-6030U-B103.