

Material Composition for P232 / 233 Panel Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification		
Slider	C5210 Copper	2.07%	Cu	7440-50-8	268.8	N/A		
		0.00%	Fe	7439-89-6	0.1			
		0.18%	Sn	7440-31-5	23.4			
		0.00%	Zn	7440-66-6	0.6			
		0.00%	P	7723-14-0	0.1			
		Silver plating	0.01%	Ag	506-64-9	1.0		
Frame	SPCC	0.02%	C	7440-44-0	2.7			
		0.02%	Mn	7439-96-5	2.7			
		0.00%	P	7723-14-0	0.5			
		0.00%	S	7704-34-9	0.5			
		0.03%	Si	7440-21-3	4.0			
		0.00%	Al	7429-90-5	0.6			
		10.16%	Fe	7439-89-6	1,320.0			
		Tin And Pure atomize	0.02%	Sn	7440-31-5	2.0		
	Gasket	SUS301	0.00%	Si	7440-21-3	0.1		
			0.00%	Mn	7439-96-5	0.2		
0.01%			Ni	7440-02-0	1.6			
0.03%			Cr	7440-47-3	3.5			
0.10%			Fe	7439-89-6	13.6			
Element			J (Fiber Grass board	1.52%	Fiber Glass Wool	65997-17-3	197.1	
	1.38%	EPOXY RESIN		26265-08-7	179.2			
	0.55%	Cu		7440-50-8	71.7			
	Carbon Plasm	0.09%	Methanol	67-56-1	11.6			
		0.41%	Carbon Black	1333-86-4	53.9			
		0.02%	Talc	14807-96-6	3.1			
		0.02%	Polymer with xylene 8 phend	29601-89-0	2.3			
		0.02%	Monobutyl Ether	112-34-5	2.3			
		0.03%	Silver	7440-22-4	3.9			
	Silver Plasm	0.10%	Phenolic resin	9039-25-2	12.5			
		0.25%	Silver	7440-22-4	32.0			
		0.00%	Glass powder	65997-17-3	0.3			
		0.02%	Graphite	7782-42-5	3.2			
		0.02%	Molybdeum disulfide	1317-33-5	3.2			
		0.10%	Diethylene glycol monveihyl ether	111-90-0	12.8			
	White Oil	0.20%	Epoxy Resin	25085-99-8	25.5			
		0.06%	Barium Sulfate Talc	7727-43-7	7.7			
		0.12%	Titanium sulfate	13463-67-7	15.3			
		0.02%	Diethylene Glycol Monoethyl Ether Acet	112-15-2	2.6			
	Shaft	SUS303	0.02%	C	7440-44-0	2.3		
			0.62%	Mn	7439-96-5	81.0		
			0.09%	Si	7440-21-3	12.0		
			0.01%	P	7723-14-0	1.2		
			0.07%	S	7704-34-9	9.7		
			5.24%	Cr	7440-47-3	680.6		
			2.43%	Ni	7440-02-0	315.7		
			0.03%	Mo	7439-98-7	3.9		
			0.65%	Cu	7440-50-8	84.1		
20.65%			Fe	7439-89-6	2,683.2			
Terminal			C2680R	4.34%	Cu	7440-50-8	563.7	
				2.04%	Zn	7440-66-6	265.3	
			Tin-atomized plating	0.02%	Sn	7440-31-5	2.0	
			Stator	SK5	0.48%	Fe	7439-89-6	62.9
0.00%	C	7440-44-0			0.6			
0.00%	Si	7440-21-3			0.1			
0.00%	Ni	7440-02-0			0.0			
0.00%	Cu	7440-50-8			0.0			
0.00%	Mn	7439-96-5			0.3			
0.00%	P	7723-14-0			0.0			
0.00%	S	7704-34-9			0.0			
0.00%	Cr	7440-47-3			0.1			
STOP PLATE	PA66	2.09%			POLYHEXAMETHYLENE ADIPAMIDE	32131-17-2	271.1	
		1.03%	FIBERS GLASS	65997-17-3	133.4			
		0.10%	COLORANTS,STABILIZERS,LUBRICA	76024-18-9	12.5			
		Spring washer	SPCC	0.00%	C	7440-44-0	0.1	
0.00%	Mn			7439-96-5	0.1			
0.00%	P			7723-14-0	0.0			
0.00%	S			7704-34-9	0.0			
0.00%	Si			7440-21-3	0.2			
0.00%	Al			7429-90-5	0.0			
0.38%	Fe			7439-89-6	49.6			
Nickel Plating	0.01%			Ni	7440-02-0	1.0		
Shaft Set	OY	Zinc #	1.16%	Al	7429-90-5	150.1		
		0.14%	Cu	7440-50-8	18.8			
		0.01%	Mg	7439-95-4	1.9			
		0.00%	Fe	7439-89-6	0.4			
		0.00%	Sn	7440-31-5	0.4			
		27.56%	Zn	7440-66-6	3,581.5			
		NUT	Fe+Nickel	4.00%	Fe	7439-89-6	519.4	
0.08%	Ni			7440-02-0	10.6			
Base	OY	Zinc #	0.04%	Al	7429-90-5	4.9		
			0.00%	Cu	7440-50-8	0.6		
			0.00%	Mg	7439-95-4	0.1		
			0.00%	Fe	7439-89-6	0.0		
			0.00%	Sn	7440-31-5	0.0		
			0.90%	Zn	7440-66-6	116.4		
			PBT	2.31%	Polybutylene Terephthalate	30965-26-5	300.2	
				1.14%	Glass,Oxide	65997-17-3	147.8	
			SPCC	0.00%	C	7440-44-0	0.4	
				0.00%	Mn	7439-96-5	0.4	
	0.00%	P		7723-14-0	0.1			
	0.00%	S		7704-34-9	0.1			
	0.01%	Si		7440-21-3	0.7			
	0.00%	Al		7429-90-5	0.1			
	1.70%	Fe		7439-89-6	221.2			
	Prepreg (Fiber Grass	0.42%	Fiber Glass Wool	65997-17-3	55.0			
		0.38%	EPOXY RESIN	26265-08-7	50.0			
		0.15%	Cu	7440-50-8	20.0			
	Washer	SPCC	0.00%	C	7440-44-0	0.5		
			0.00%	Mn	7439-96-5	0.5		
0.00%			P	7723-14-0	0.1			
0.00%			S	7704-34-9	0.1			
0.01%			Si	7440-21-3	0.8			
0.00%			Al	7429-90-5	0.1			
2.04%			Fe	7439-89-6	264.8			
Luster Tin Plating			0.01%	Sn	7440-31-5	1.0		
Grease			Base oil+Addition	0.01%	Polyisobutylene	9003-27-4	1.5	
				0.01%	PAO	68037-01-4	0.9	
		0.00%		Fumed Silica	68611-44-9	0.1		
Total mass					12,994.1 mg			