


# MATERIAL DECLARATION SHEET



Material Number	PV32 N Series (251Ω to 25KΩ) LF			
Product Line	Trimmer			
Compliance Date	2/17/2005			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substances	if applicable			
1	Contact Spring	Ni/Ag	0.0111	Copper	7440-50-8	59	1.4813	2.51
				Nickel	7440-02-0	12	0.3013	
				Zinc	7440-66-6	29	0.7281	
2	Rotor	Polybutylene terephthalate	0.0568	Polybutylene terephthalate	30965-26-5	55	7.0663	12.85
				Glass fiber	65997-17-3	30	3.8543	
				Antimony trioxide	1309-64-4	4	0.5139	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	1.4133	
3	Seal O-Ring	Rubber	0.002	Silicon Rubber	63394-02-5	100	0.4524	0.45
4	Cover	Stainless Steel	0.0891	Carbon	7440-44-0	0.18	0.0363	20.15
				Manganese	7439-96-5	2	0.4031	
				Phosphorus	7723-14-0	0.045	0.0091	
				Sulfur	7704-34-9	0.03	0.0060	
				Silicon	7440-21-3	0.75	0.1512	
				Chromium	7440-47-3	17	3.4261	
				Nickel	7440-02-0	8	1.6123	
				Iron	7439-89-6	71.995	14.5097	

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5	Substrate	Ceramic	0.156	Aluminum oxide	1344-28-1	96	33.8747	35.29
				Silicon dioxide	7631-86-9	2	0.7057	
				Magnesium oxide	1309-48-4	1	0.3529	
				Calcium oxide	1305-78-8	1	0.3529	
6	Termination Ink	Ink	0.004	Silver	7440-22-4	59	0.5338	0.90
				Palladium	7440-05-3	24	0.2171	
				Lead	7439-92-1	3	0.0299	
				Boron	7440-42-8	3	0.0299	
				Silicon	7440-21-3	3	0.0299	
				Bismuth	7440-69-9	6	0.0543	
				Barium	7440-39-3	1	0.0090	
7	Resistive Ink	Ink	0.005	Silver	7440-22-4	27.5	0.3110	1.13
				Boron	7440-42-8	16	0.1810	
				Silicon	7440-21-3	16	0.1810	
				Barium	7440-39-3	4	0.0452	
				Carbon	7440-44-0	3.5	0.0339	
				Calcium	7440-70-2	7	0.0792	
				Ruthenium dioxide	12036-10-1	16	0.1810	
				Titanium	7440-32-6	0.2	0.0023	
				Magnesium	7439-95-4	0.6	0.0068	
				Copper	7440-50-8	1.1	0.0124	
				Manganese	7439-96-5	1.1	0.0124	
				Aluminum	7429-90-5	7	0.0792	
8	Terminals	Copper	0.115	Copper	7440-50-8	99.999	26.0120	26.69
				Oxygen	7782-44-7	0.001	0.0003	
		Plating	0.003	Tin	7440-31-5	100	0.6786	
9	Lubricant	Lubricant	0.0001	Polydimethylsiloxane	63148-62-9	58	0.030	0.052
				Dimethyl siloxane	70131-67-8	9.5	0.005	
				Silica, amorphous	7631-86-9	12.5	0.007	
				Siloxane/silicones	63148-56-1	14	0.007	

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				Tetrafluoroethane	9002-84-0	6	0.003	
		Total Weight	0.4421					

**This Document was updated on: 8-23-2016**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. No. 13\* included for terminal style N only.
3. Non RoHS Compliant versions available without the LF suffix