


MATERIAL DECLARATION SHEET



Material Number	PV12 (50kΩ to 500KΩ) 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	0.0056	Copper	7440-50-8	59	0.6106	1.03
				Nickel	7440-02-0	12	0.1242	
				Zinc	7440-66-6	29	0.3001	
2	Shaft	Polybutylene terephthalate	0.0168	Polybutylene terephthalate	30965-26-5	55	1.7076	3.10
				Glass fiber	65997-17-3	30	0.9314	
				Antimony trioxide	1309-64-4	4	0.1242	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	0.3415	
3	Rotor	Nylon	0.0265	Polyamide 66	32131-17-2	60	2.9385	4.90
				Glass fiber	65997-17-3	30	1.4692	
				Tetrafluoroethylene polymer	9002-84-0	8	0.3918	
4	Seal Ring	Rubber	0.0031	Silicon	63394-02-5	100	0.5729	0.57
5	Cover	Polybutylene terephthalate	0.139	Polybutylene terephthalate	30965-26-5	49	12.5873	25.69
				Glass fiber	65997-17-3	35	8.9909	
				Brominated flame	36355-01-8	10	2.5688	

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Item #	Component	Material	CAS #	retardant			Total Weight	
				Chemical Name	CAS #	Weight		
6	Substrate	Ceramic	0.2017	Antimony trioxide	1309-64-4	6	1.5413	37.28
				Aluminum oxide	1344-28-1	96	35.7849	
				Silicon dioxide	7631-86-9	2	0.7455	
				Magnesium oxide	1309-48-4	1	0.3728	
				Calcium oxide	1305-78-8	1	0.3728	
7	Drive Wheel	Rubber	0.0022	Silicon Rubber	63394-02-5	100	0.4066	0.41
8	Insert	Nylon	0.0223	Polyamide 66	32131-17-2	60	2.4727	4.12
				Glass fiber	65997-17-3	30	1.2364	
				Carbon black	7440-44-0	2	0.0824	
				Tetrafluoroethylene polymer	9002-84-0	8	0.3297	
9	Poting	Epoxy	0.0625	Cycloaliphatic epoxide	trade secret	40	4.6202	11.55
				Polyetherpolyol resins	39072-02-1	15	1.7326	
				Silicon dioxide	67762-90-7	25	2.8876	
				Hydrated alumina	21645-51-2	20	2.3101	
10	Termination Ink	Ink	0.002	Silver	7440-22-4	59	0.2181	0.37
				Palladium	7440-05-3	24	0.0887	
				Lead	7439-92-1	3	0.0122	
				Boron	7440-42-8	3	0.0122	
				Silicon	7440-21-3	3	0.0122	
				Bismuth	7440-69-9	6	0.0222	
				Barium	7440-39-3	1	0.0037	
11	Resistive Ink	Ink	0.0043	Silver	7440-22-4	9	0.0715	0.79
				Boron	7440-42-8	10	0.0795	
				Silicon	7440-21-3	10	0.0795	
				Calcium	7440-70-2	10	0.0795	
				Ruthenium dioxide	12036-10-1	42	0.3338	
				Barium	7440-39-3	2	0.0159	
				Carbon	7440-44-0	2	0.0119	
				Titanium	7440-32-6	2	0.0159	

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				Copper	7440-50-8	5.0	0.0397	
				Aluminum	7429-90-5	5.5	0.0437	
				Zinc	7440-66-6	1.5	0.0119	
				Magnesium	7439-95-4	1	0.0079	
12	Terminals	Copper	0.0517	Copper	7440-50-8	99.999	9.5545	10.18
		Plating	0.0034	Oxygen	7782-44-7	0.001	0.0001	
13	Lubricant	Lubricant	0.0001	Tin	7440-31-5	100	0.6283	0.052
				Polydimethylsiloxane	63148-62-9	58	0.030	
				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	
				Tetrafluoroethane	9002-84-0	6	0.003	
		Total Weight	0.5411					

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 S and W only.
3. Non RoHS Compliant versions available without the LF suffix