

MATERIAL DECLARATION SHEET



Material Number	PVG5 (10Ω to 250Ω)			
Product Line	Trimmer			
Compliance Date	3-1-2005			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Contact Spring	Ni/Ag	0.002	Nickel	7440-02-0	18	0.1889	1.0493
				Copper	7440-50-8	55	0.5771	
				Zinc	7440-66-6	27	0.2833	
2	Housing	PEEK	0.071	Polyetheretherketone	31694-16-3	70	26.0756	37.2508
				Glass Fiber	65997-17-3	30	11.1752	
3	Rotor	PA9T	0.008	PA 9T	169284-22-4	43	1.8048	4.1973
				brominated polystyrene	88497-56-7	23	0.9654	
				glass fiber	65997-17-3	34	1.4271	
4	Potting	Epoxy	0.029	Cycloaliphatic epoxide	Trade Secret	40	6.0860	15.2151
				Polyetherpolyol resins	39072-02-1	15	2.2823	
				Silicon dioxide	60676-82-0	25	3.8038	
				Hydrated alumina	21645-51-2	20	3.0430	
5	Shaft	Brass	0.012	Copper	7440-50-8	61.5	3.8720	6.2959
				Zinc	7440-66-6	35.4	2.2288	
				Lead	7439-92-1	3.1	0.1952	
6	Substrate	Alumina	0.049	Aluminum Oxide	1344-28-1	96	24.6800	25.7083
				Silicon dioxide	7631-86-9	2	0.5142	
				Magnesium oxide	1309-48-4	1	0.2571	
				Calcium oxide	1305-78-8	1	0.2571	

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7	Termination Ink Top	Ink	0.001	Silver	7440-22-4	63	0.3305	1.0493
				palladium	7440-05-3	25	0.1312	
				bismuth trioxide	1304-76-3	9	0.0472	
				copper oxide	1317-39-1	1	0.0052	
				boron	7440-42-8	1	0.0052	
				barium	7440-39-3	1	0.0052	
8	Termination Ink Bottom	Ink	0.001	Silver	7440-22-4	93.1	0.4885	
				palladium	7440-05-3	3.1	0.0163	
				copper oxide	1317-39-1	1.2	0.0063	
				glass w/o declarables	65997-17-3	2	0.0105	
				barium	7440-39-3	0.3	0.0016	
				boron	7440-42-8	0.3	0.0016	
9	Resistive Ink	Ink	0.0015	Ruthenium Dioxide	12036-10-1	35	0.2754	0.7870
				Calcium	7440-70-2	15	0.1180	
				Silicon	7440-21-3	15	0.1180	
				Boron	7440-42-8	16	0.1259	
				Silver	7440-22-0	7	0.0551	
				Titanium	7440-32-6	5	0.0393	
				Manganese	7439-96-5	6	0.0472	
				Copper	7440-50-8	1	0.0079	
10	Terminals	Copper	0.015	Copper	7440-50-8	99.999	7.8698	7.8699
				Oxygen	7782-44-7	0.001	0.0001	
11	Coating	Solder	0.001	Tin	7440-31-5	100	0.5247	0.5247
12	Lubricant	Lubricant	0.0001	Polydimethylsiloxane	63148-62-9	58	0.0304	0.0525
				Dimethyl siloxane	70131-67-8	9.5	0.0050	
				Silica, amorphous	7631-86-9	12.5	0.0066	
				Siloxane/silicones	63148-56-1	14	0.0073	
				Tetrafluoroethane	9002-84-0	6	0.0031	
Total weight			0.1906					

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This Document was updated on: 11/1/2023

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemptions: Brass shaft may contain lead – RoHS exemption 6c – copper alloy containing up to 4% lead by weight.