


MATERIAL DECLARATION SHEET

Material Number	3059 (251Ω to 50KΩ)			
Product Line	Trimmer			
Compliance Date	3-1-2005			
RoHS Compliant	Yes DC 509	MSL	N/A	

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substance				
1	Epoxy	Epoxy	0.112	Epoxy resin	25068-38-6	64	3.1620	4.94
				Antimony trioxide	1309-64-4	11	0.5435	
				Aluminum oxide	1344-28-1	10	0.4941	
				Kaolin clay	1332-58-7	6	0.2964	
				Magnesium alumino silicate	1302-88-1	9	0.4447	
2	Post	PBT	0.034	Polybutylene terephthalate	30965-26-5	48	0.7199	1.50
				Glass fiber	65997-17-3	35	0.5249	
				Brominated flame retardant	trade secret	10	0.1500	
				Antimony trioxide	1309-64-4	6	0.0900	
				Carbon black	1333-86-4	1	0.0150	
3	Substrate	Ceramic	0.358	Aluminum oxide	1344-28-1	96	15.1608	15.79
				Silicon dioxide	1309-48-4	1	0.1579	
				Magnesium oxide	7631-86-9	2	0.3158	
				Calcium oxide	1305-78-8	1	0.1579	
4	Contact Spring	Nickel Silver	0.0264	Nickel	7440-02-0	55	0.6405	1.16
				Copper	7440-50-8	18	0.2096	
				Zinc	7440-66-6	27	0.3144	
5	Shaft	Brass	0.358	Copper	7440-50-8	62	9.7913	15.79
				Zinc	7440-66-6	35.05	5.5353	
				Iron	7439-89-6	0.35	0.0553	
				Lead	7439-92-1	2.6	0.4106	

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6	Cover	PBT	1.0567	Polybutylene terephthalate	30965-26-5	49	22.8410	46.61
				Glass fiber	65997-17-3	35	16.3150	
				Brominated flame retardant	trade secret	10	4.6614	
				Antimony trioxide	1309-64-4	6	2.7969	
7	Termination Ink	Ink	0.0023	Silver	7440-22-4	94	0.0952	0.10
				Palladium	7440-05-3	3	0.0029	
				Copper	7440-50-8	1.2	0.0012	
				Bismuth	7440-69-9	2	0.0021	
8	Resistive Ink	Ink	0.036	Silver	7440-22-4	7	0.1112	1.59
				Boron	7440-42-8	15	0.2382	
				Silicon	7440-21-3	15	0.2382	
				Calcium	7440-70-2	16	0.2541	
				Ruthenium dioxide	12036-10-1	35	0.5558	
				Titanium	7440-32-6	5	0.5558	
				Copper	7440-50-8	1	0.0159	
9	Terminals	Copper	0.2826	Copper	7440-50-8	100	12.4664	12.47
		Plating		Tin	7440-31-5	100	12.4664	
10	Lubricant	Lubricant	0.0001	Polydimethylsiloxane	63148-62-9	58	0.030	0.05
				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	2.2661					

This Document was updated on: 11-14-2018

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemptions: 6c – lead as an alloying element as a copper alloy containing up to 4% lead by weight.

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