

# MATERIAL DECLARATION SHEET

Material Number	3059 (51KΩ to 2MΩ)		
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	64	0.9599	1.50
				Glass fiber	65997-17-3	18	0.2700	
				Brominated flame retardant	trade secret	4	0.0600	
				Antimony trioxide	1309-64-4	13	0.1950	
				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	2	0.3158	
				Magnesium oxide	7631-86-9	1	0.1579	
				Calcium oxide	1305-78-8	1	0.1579	
4	Contact Spring	Nickel Silver	0.0264	Nickel	7440-02-0	65	0.7570	1.16
				Copper	7440-50-8	18	0.2096	
				Zinc	7440-66-6	17	0.1980	
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	55	25.6379	46.61
				Glass fiber	65997-17-3	30	13.9843	
				Brominated flame retardant	trade secret	4	1.8646	
				Antimony trioxide	1309-64-4	11	5.1276	
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	9	0.1429	1.59
				Boron	7440-42-8	10	0.1588	
				Silicon	7440-21-3	10	0.1588	
				Calcium	7440-70-2	10	0.1588	
				Ruthenium dioxide	12036-10-1	42	0.6670	
				Barium	7440-39-3	2	0.0318	
				Carbon	7440-44-0	1.5	0.0238	
				Titanium	7440-32-6	2	0.0318	
				Copper	7440-50-8	5.0	0.0794	
				Aluminum	7429-90-5	5.5	0.0873	
				Zinc	7440-66-6	1.5	0.0238	
				Magnesium	7439-95-4	1	0.0159	
9	Terminals	Copper	0.2826	Copper	7440-50-8	100	12.4664	12.47
		Plating	0.0034	Tin	7440-31-5	100	0.1500	
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	2.2665					

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**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.