


# MATERIAL DECLARATION SHEET

Material Number	3339 ( 250Ω to 25KΩ) LF			
Product Line	Trimmer			
Compliance Date	2/17/2005			
RoHS Compliant	Yes DC 509	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	32	1.5672	
				Tetrafluoroethylene polymer	9002-84-0	8	0.3918	
4	Seal Ring	Rubber	0.0031	Silicone	63394-02-5	100	0.5729	0.57
5	Cover	Polybutylene terephthalate	0.139	Polybutylene terephthalate	30965-26-5	49	12.5873	25.68
				Glass fiber	65997-17-3	35	8.9909	
				Brominated flame retardant	Trade secret	10	2.5688	
				Antimony trioxide	1309-64-4	6	1.5413	
6	Substrate	Ceramic	0.2017	Aluminum oxide	1344-28-1	96	35.7849	37.27
				Silicon dioxide	7631-86-9	2	0.7455	
				Magnesium oxide	1309-48-4	1	0.3728	
				Calcium oxide	1305-78-8	1	0.3728	

# MATERIAL DECLARATION

7	Drive Wheel	Rubber	0.0022	Silicone 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	Potting	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	82	0.3031	0.37
				Boron	7440-42-8	2	0.0074	
				Bismuth	7440-69-9	14	0.0517	
				Barium	7440-39-3	2	0.0074	
11	Resistive Ink	Ink	0.0043	Silver	7440-22-4	27.5	0.2185	0.80
				Boron	7440-42-8	16	0.1271	
				Silicon	7440-21-3	16	0.1271	
				Barium	7440-39-3	4	0.0318	
				Carbon	7440-44-0	3	0.0238	
				Calcium	7440-70-2	7	0.0556	
				Ruthenium dioxide	12036-10-1	16	0.1271	
				Titanium	7440-32-6	0.2	0.0016	
				Magnesium	39409-82-0	0.6	0.0048	
				Carbon	7440-44-0	0.5	0.0040	
				Copper	7440-50-8	1.1	0.0087	
				Manganese	7439-96-5	1.1	0.0087	
				Aluminum	7429-90-5	7	0.0556	
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	
				Tin	7440-31-5	100	0.6283	

# MATERIAL DECLARATION

13	Lubricant	Lubricant	0.0001	Polydimethylsiloxane	63148-62-9	58	0.030	0.02
				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	0.5412					

13*	Adaptor	PBT	0.318	Polybutylene terephthalate	30965-26-5	49	18.1376	
				Glass fiber	65997-17-3	35	12.9554	
				Brominated flame retardant		10	3.7015	
				Antimony trioxide	1309-64-4	6	2.2209	
		Total Weight	0.8592					

**This Document was updated on: 12-5-2019**

**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