


# MATERIAL DECLARATION SHEET

Material Number	3329 (10Ω to 250Ω) LF, M, S, W, X Series			
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	Material s Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substances	if applicable			
1	Contact Spring	Ni/Ag	0.0111	Copper	7440-50-8	59	1.1591	1.96
				Nickel	7440-02-0	12	0.2358	
				Zinc	7440-66-6	29	0.5697	
2	Rotor	Polybutylene terephthalate	0.0568	Polybutylene terephthalate	30965-26-5	55	5.5292	10.05
				Glass fiber	65997-17-3	30	3.0159	
				Antimony trioxide	1309-64-4	4	0.4021	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	1.1058	
3	Seal O-Ring	Rubber	0.002	Silicon Rubber	63394-02-5	100	0.3540	0.35
4	Cover	Stainless Steel	0.0891	Carbon	7440-44-0	0.18	0.0284	15.77
				Manganese	7439-96-5	2	0.3154	
				Phosphorus	7723-14-0	0.045	0.0071	
				Sulfur	7704-34-9	0.03	0.0047	
				Silicon	7440-21-3	0.75	0.1183	
				Chromium	7440-47-3	17	2.6809	
				Nickel	7440-02-0	8	1.2616	
				Iron	7439-89-6	71.995	11.3535	
5	Adaptor	Polybutylene terephthalate	0.1229	Polybutylene terephthalate	30965-26-5	55	11.9637	21.75
				Glass fiber	65997-17-3	30	6.5257	
				Antimony trioxide	1309-64-4	4	0.8701	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	2.3927	

# MATERIAL DECLARATION

6	Substrate	Ceramic	0.156	Aluminum oxide	1344-28-1	96	26.5062	27.61
				Silicon dioxide	7631-86-9	2	0.5522	
				Magnesium oxide	1309-48-4	1	0.2761	
				Calcium oxide	1305-78-8	1	0.2761	
7	Termination Ink	Ink	0.004	Silver	7440-22-4	82	0.5805	0.71
				Boron	7440-42-8	2	0.0142	
				Bismuth	7440-69-9	14	0.0991	
				Barium	7440-39-3	2	0.0142	
8	Resistive Ink	Ink	0.005	Silver	7440-22-4	25	0.2212	0.89
				Palladium	7440-05-3	30	0.2655	
				Barium	7440-39-3	21	0.1858	
				Boron	7440-42-8	20	0.1770	
				Manganese	7439-96-5	4	0.0354	
9	Terminals	Copper	0.115	Copper	7440-50-8	99.999	20.3538	20.89
		Oxygen	0.003	Oxygen	7782-44-7	0.001	0.0002	
		Plating	0.003	Tin	7440-31-5	100	0.5310	
10	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	0.565					

**This Document was updated on: 12-3-2019**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Non RoHS Compliant versions available without the LF suffix