


MATERIAL DECLARATION SHEET

Material Number	3296 (251Ω to 50KΩ) LF			
Product Line	Trimmer			
Compliance Date	3-9-2011			
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	Stainless Steel	0.0069	Carbon	7440-44-0	0.18	0.0015	0.83
				Manganese	7439-96-5	2	0.0166	
				Phosphorus	7723-14-0	0.045	0.0004	
				Sulfur	7704-34-9	0.03	0.0002	
				Silicon	7440-21-3	0.75	0.0062	
				Chromium	7440-47-3	17	0.1408	
				Nickel	7440-02-0	8	0.0663	
Iron	7439-89-6	71.995	0.5964					
2	Housing	Polybutylene terephthalate	0.3	Polybutylene terephthalate	30965-26-5	49	17.6492	36.02
				Glass fiber	65997-17-3	35	12.6066	
				Brominated flame retardant	trade secret	10	3.6019	
				Antimony trioxide	1309-64-4	6	2.1611	
3	Rotor	Nylon	0.038	Polyamide 66	32131-17-2	60	2.7374	4.56
				Glass fiber	65997-17-3	30	1.3687	
				Carbon black	7440-44-0	2	0.0912	
				Tetrafluoroethylene polymer	9002-84-0	8	0.3650	
4	Potting	Epoxy	0.078	Epoxy resin	25068-38-6	64	5.9935	9.36
				Antimony trioxide	1309-64-4	11	1.0301	
				Aluminum oxide	1344-28-1	10	0.9365	
				Kaolin clay	1332-58-7	6	0.5619	
				Magnesium alumino silicate	1302-88-1	9	0.8428	

MATERIAL DECLARATION

5	Shaft	Brass	0.102	Copper	7440-50-8	62	7.5927	12.25
				Zinc	7440-66-6	35.05	4.2924	
				Iron	7439-89-6	0.35	0.0429	
				Lead	7439-92-1	2.6	0.3184	
6	Substrate	Ceramic	0.144	Aluminum oxide	1344-28-1	96	16.5974	17.29
				Silicon dioxide	7631-86-9	2	0.3458	
				Magnesium oxide	1309-48-4	1	0.1729	
				Calcium oxide	1305-78-8	1	0.1729	
7	Termination Ink	Ink	0.004	Silver	7440-22-4	94	0.4505	0.48
				Palladium	7440-05-3	3	0.0139	
				Bismuth	7440-69-9	1.0	0.0048	
				Copper	7440-50-8	2	0.0101	
8	Resistive Ink	Ink	0.005	Silver	7440-22-4	27.5	0.1651	0.60
				Boron	7440-42-8	16	0.0960	
				Silicon	7440-21-3	16	0.0960	
				Barium	7440-39-3	4	0.0240	
				Carbon	7440-44-0	3	0.0180	
				Calcium	7440-70-2	7	0.0420	
				Ruthenium dioxide	12036-10-1	16	0.0960	
				Titanium	7440-32-6	0.2	0.0012	
				Magnesium	7439-95-4	0.6	0.0036	
				Carbon	7440-44-0	0.5	0.0030	
				Copper	7440-50-8	1.1	0.0066	
				Manganese	7439-96-5	1.1	0.0066	
				Aluminum	7429-90-5	7	0.0420	
9	Terminals	Copper	0.151	Copper	7440-50-8	99.999	18.1292	18.54
				Oxygen	7782-44-7	0.001	0.0002	
		Plating	0.0034	Tin	7440-31-5	100	0.4082	

MATERIAL DECLARATION

10	Lubricant	Lubricant	0.0001	Polydimethylsiloxane	63148-62-9	58	0.030	0.052
				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	0.8329					

This Document was updated on: 9-17-2019

Important remarks:

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