


MATERIAL DECLARATION SHEET



Material Number	3329 H, P, U Series			
Product Line	Trimmer			
Compliance Date	2/17/2005			
RoHS Compliant	Yes DC 509	MSL		

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	0.0112	Copper	7440-50-8	59	1.4947	2.53
				Nickel	7440-02-0	12	0.3040	
				Zinc	7440-66-6	29	0.7347	
2	Rotor	PBT	0.0568	Polybutylene terephthalate	30965-26-5	55	7.0663	12.85
				Glass fiber	65997-17-3	30	3.8543	
				Antimony trioxide	1309-64-4	4	0.5139	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	1.4133	
3	Seal O-Ring	Rubber	0.002	Silicon Rubber	63394-02-5	100	0.4524	0.45
4	Cover	Stainless Steel	0.0891	Carbon	7440-44-0	0.18	0.0363	20.15
				Manganese	7439-96-5	2	0.4031	
				Phosphorus	7723-14-0	0.045	0.0091	
				Sulfur	7704-34-9	0.03	0.0060	
				Silicon	7440-21-3	0.75	0.1512	
				Chromium	7440-47-3	17	3.4261	
				Nickel	7440-02-0	8	1.6123	
				Iron	7439-89-6	71.995	14.5097	
5	Substrate	Ceramic	0.156	Aluminum oxide	1344-28-1	96	33.8747	35.29
				Silicon dioxide	7631-86-9	2	0.7057	
				Magnesium oxide	1309-48-4	1	0.3529	
				Calcium oxide	1305-78-8	1	0.3529	

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6	Termination Ink	Ink	0.004	Silver	7440-22-4	59	0.5338	0.90
				Palladium	7440-05-3	24	0.2171	
				Lead oxide glass	1317-36-8	9	0.0814	
				Bismuth trioxide	1304-76-3	6	0.0543	
				Silicon dioxide	7631-86-9	1	0.0090	
				Barium oxide	1304-28-5	1	0.0090	
7	Resistive Ink	Ink	0.005	Ruthenium Dioxide	12036-10-1	9.7	0.1096	1.13
				Boron oxide	1303-86-2	3.5	0.0396	
				Silicon dioxide	7631-86-9	10.4	0.1175	
				Lead oxide	1317-36-8	76.4	0.8633	
8	Terminals	Copper	0.115	Copper	7439-89-6	100	26.0122	26.69
		Plating	0.003	Tin	7440-31-5	100	0.6786	
		Total Weight	0.4421					

This Document was updated on: 11-3-2011

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 (terminal plating Sn90Pb10)
3. See RoHS Certificate of Compliance for exemptions used, if any.