


MATERIAL DECLARATION SHEET



Material Number	3269 LF (10Ω to 250Ω)			
Product Line	Trimmer			
Compliance Date	3-1-2005			
RoHS Compliant	Yes DC 509	MSL	2	

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	0.007	Copper	7440-50-8	65	1.1868	1.83
				Nickel	7440-02-0	18	0.3286	
				Zinc	7440-66-6	17	0.3104	
2	Housing	Nylon	0.159	Polyphthalamide resin	27135-32-6	50	20.7355	41.47
				Glass fibers	65997-17-3	30	12.4413	
				Phosphorus-based flame retardant (not red P)	trade secret	17.5	7.2574	
				Pigment	trade secret	2.5	1.0368	
3	Rotor	Nylon	0.025	Polyphthalamide	27135-32-6	66	4.3036	6.52
				Glass fiber	65997-17-3	33	2.1518	
				Titanium dioxide	13463-67-7	1	0.0652	
4	Potting	Epoxy	0.04	Epoxy resin	25068-38-6	64	6.6771	10.43
				Antimony trioxide	1309-64-4	11	1.1476	
				Aluminum oxide	1344-28-1	10	1.0433	
				Kaolin clay	1332-58-7	6	0.6260	
				Magnesium aluminosilicate	1302-88-1	9	0.9390	

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5	Shaft	Brass	0.048	Copper	7440-50-8	61.5	7.6995	12.78
				Zinc	7440-66-6	35.4	4.4319	
				Lead	7439-92-1	3.1	0.3881	
			0.001	Nickel (plating)	7440-02-0	100	0.2608	
6	Substrate	Ceramic	0.06	Aluminum oxide	1344-28-1	96	15.0235	15.65
				Silicon dioxide	7631-86-9	2	0.3130	
				Magnesium oxide	1309-48-4	1	0.1565	
				Calcium oxide	1305-78-8	1	0.1565	
7	Termination Ink	Ink	0.0002	Silver	7440-22-4	94	0.0489	0.05
				Palladium	7440-05-3	3	0.0015	
				Copper oxide	1317-39-1	1.2	0.0006	
				Bismuth trioxide	1304-76-3	2	0.0011	
8	Resistive Ink	Ink	0.002	Silver	7440-22-4	25	0.1304	0.52
				Palladium	7440-05-3	30	0.1565	
				Barium borate glass	13701-59-2	41	0.2139	
				Manganese dioxide	1313-13-9	4	0.0209	
9	Terminals	Copper	0.04	Copper	7440-50-8	100	10.4330	10.75
		Plating ²	0.0012	Tin	7440-31-5	100	0.3130	
		Total Weight	0.3834					

This Document was updated on: 11-28-2012

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. Item 9 plating for non-compliant model is 90/10 SnPb.
3. RoHS exemption: 6c – copper alloy containing up to 4% lead by weight...