

# MATERIAL DECLARATION SHEET



Material Number	7813J Series			
Product Line	Trimmer			
Compliance Date	6-8-2004			
RoHS Compliant	Yes DC 4G	MSL	1	

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substance				
1	Contact Spring	Ni/Ag	0.00115	Nickel	7440-02-0	18	0.2674	1.49
				Copper	7440-50-8	65	0.9655	
				Zinc	7440-66-6	17	0.2525	
2	Housing	Nylon	0.0199	Polyphthalamide resin	27135-32-6	50	0.7427	25.70
				Glass fiber	65997-17-3	30	0.4456	
				Phosphorus-based flame retardant (not red P)	trade secret	17.5	0.2599	
				Pigment	trade secret	2.5	0.0371	
3	Rotor	LCP	0.0128	Liquid Crystal Polymer	70679-92-4	60	0.8912	16.53
				Glass fiber	65997-17-3	40	0.5942	
4	Seal O-ring	Rubber	0.0007	Silicone Rubber	63394-02-5	100	0.9042	0.90
5	Substrate	Ceramic	0.0272	Aluminum oxide	1344-28-1	96	33.7277	35.13
				Silicon dioxide	7631-86-9	2	0.7027	
				Magnesium oxide	1309-48-4	1	0.3513	
				Calcium oxide	1305-78-8	1	0.3513	

# MATERIAL DECLARATION SHEET



6	Termination	Ink	0.00027	Silver	7440-22-4	50.5	0.1761	0.35
				Palladium	7440-05-3	34.1	0.1189	
				Platinum	7440-06-4	3.1	0.0108	
				Manganese oxide	1313-13-9	1	0.0035	
				Bismuth trioxide	1304-76-3	8.9	0.0310	
				Boron oxide	1303-86-2	1.5	0.0052	
				Silicon oxide	7631-86-9	0.9	0.0031	
7	Insulator	Ink	0.0002	DAIP resin	1087-21-4	71	0.1834	0.26
				Barium sulfate	7727-43-7	28	0.0491	
				Pigment red	84632-65-5	1	0.0026	
8	Lead Frame	Copper	0.0152	Copper	7440-50-8	100	19.6332	19.63
		Plating		Tin	7440-31-5	100	19.6332	
		Total Weight	0.07742					

**This Document was updated on: 4-13-2012**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.