


# MATERIAL DECLARATION SHEET



Material Number	3312 ( 200Ω to 5kΩ )			
Product Line	Trimmer			
Compliance Date	3-1-2005			
RoHS Compliant	Yes DC 0509	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	Lid	Stainless Steel	0.0045	Carbon	7440-44-0	0.15	0.019	12.363
				Manganese	7439-96-5	2	0.247	
				Silicon	7440-21-3	1	0.124	
				Chromium	7440-47-3	17	2.102	
				Nickel	7440-02-0	7	0.865	
				Iron	7439-89-6	72.85	9.006	
2	Seal Ring	Silicone	0.0022	Silicone Rubber	63394-02-5	100	6.044	6.044
3	Contact Spring	Nickel Silver	0.0018	Copper	7440-50-8	55	2.719	4.945
				Nickel	7440-02-0	18	0.89	
				Zinc	7440-66-6	27	1.335	
4	Rotor	Nylon	0.0023	Polyamide 9T	169284-22-4	42	2.654	6.139
				Glass Fiber	65997-17-3	33	2.085	
				Brominated Polystyrene	88497-56-7	22	1.39	
5	Housing	Nylon	0.0135	Polyamide 9T	169284-22-4	42	15.577	37.088
				Glass Fiber	65997-17-3	33	12.239	
				Brominated Polystyrene	88497-56-7	22	8.159	
6	Terminals	Copper	0.0022	Copper	7440-50-8	100	6.044	6.044
		Plating	0.001	Tin	7440-31-5	100	2.747	0.027
7	Substrate	Alumina	0.0088	Aluminum Oxide	1344-28-1	96	23.209	24.176
				Silicon Oxide	7631-86-9	2	0.484	
				Magnesium Oxide	1309-48-4	1	0.242	
				Calcium Oxide	1305-78-8	1	0.242	

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8	Resistive Ink	Ink	0.0001	Ruthenium Dioxide	12036-10-1	35	0.096	0.275
				Calcium Silicate borate glass	59794-15-9	46	0.126	
				Silver	7440-22-0	7	0.019	
				Titanium dioxide	13463-67-7	5	0.014	
				Manganese dioxide	1313-13-9	6	0.017	
				Cuprous oxide	1317-39-1	1	0.003	
9	Termination Ink	Ink	0.0002	Silver	7440-22-4	79.2	0.435	0.549
				Palladium	7440-05-3	13.2	0.072	
				Glass	65997-17-3	7.6	0.042	
10	Lube	Grease	0.0008	Polydimethylsiloxane	63148-62-9	100	2.198	2.198
		Total weight	0.0364					

**This Document was updated on: 3-21-2011**

**Important remarks:**

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