

MATERIAL DECLARATION SHEET



Material Number	3292 (10Ω to 250Ω) LF			
Product Line	Trimmer			
Compliance Date	3-1-2005			
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	0.007	Copper	7440-50-8	65	0.5764	0.89
				Nickel	7440-02-0	18	0.1596	
				Zinc	7440-66-6	17	0.1507	
2	Rotor	Nylon	0.038	Polyamide 66	32131-17-2	60	2.8883	4.81
				Glass fiber	65997-17-3	30	1.4441	
				Carbon black	1333-86-4	2	0.0963	
				Tetrafluoroethylene polymer	9002-84-0	8	0.3851	
3	Housing	PBT	0.295	Polybutylene terephthalate	30965-26-5	55	20.5536	37.37
				Glass fiber	65997-17-3	30	11.2110	
				Antimony trioxide	1309-64-4	4	1.4948	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	4.1107	
4	Potting	Epoxy	0.078	Epoxy resin	25068-38-6	64	6.3238	9.88
				Antimony trioxide	1309-64-4	11	1.0869	
				Aluminum oxide	1344-28-1	10	0.9881	
				Kaolin clay	1332-58-7	6	0.5929	
				Magnesium alumino silicate	1302-88-1	9	0.8893	
5	Shaft	Brass	0.102	Copper	7440-50-8	61.5	7.9465	12.92
				Zinc	7440-66-6	35.4	4.5741	
				Lead	7439-92-1	3.1	0.4006	
				Nickel (plating)	7440-02-0	0.01	0.0013	
6	Substrate	Ceramic	0.144	Aluminum oxide	1344-28-1	96	17.5120	18.24
				Silicon dioxide	7631-86-9	2	0.3648	
				Magnesium oxide	1309-48-4	1	0.1824	
				Calcium oxide	1305-78-8	1	0.1824	

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7	Termination Ink	Ink	0.004	Silver	7440-22-4	88	0.4459	0.51
				Palladium	7440-05-3	6	0.0304	
				Lead oxide	1317-36-8	1.0	0.0051	
				Bismuth trioxide	1304-76-3	2.9	0.0147	
				Boron oxide	1303-86-2	0.9	0.0046	
				Copper oxide	1317-39-1	1.2	0.0061	
8	Resistive Ink	Ink	0.005	Silver	7440-22-4	25	0.1583	0.63
				Palladium	7440-05-3	30	0.1900	
				Barium borate glass	13701-59-2	41	0.2597	
				Manganese dioxide	1313-13-9	4	0.0253	
9*	Terminals	Copper	0.113	Copper	7440-50-8	100	14.3147	14.75
		Plating	0.0034	Tin	7440-31-5	100	0.4307	
		Total Weight	0.7894					

3292L with optional lead wires

9*	Lead Wires	Teflon	0.5698	Polytetrafluoroethylene	9002-84-0	50	22.9240	45.85
		Copper		Copper (Silver plated)	7440-50-8	50	22.9240	
		Total Weight	1.2428					

This Document was updated on: 12-15-2011

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
3. *Optional lead wire terminals instead of pins available for this model
4. RoHS exemptions: 6a – copper alloy containing up to 4% lead by weight; 7(c)-I – electrical and electronic components containing lead in a glass or ceramic...