


MATERIAL DECLARATION



Model #	2026-XX-CxxM1xx // MSP GDT		
Product Line	GDT		
Date	Nov. 10 th , 2006		
RoHS Compliant	No - see note below	MSL 2	

No.	Construction element	Material group	Material weight [g]	Materials	CAS if applicable	Average mass [%]	Sum [%]
1	Lateral Electrodes	Kovar	1.364	Iron	7439-89-6	58.00	37.89
				Nickel	7440-02-0	42.00	
2	Substrate	Ceramic	0.836	Alumina	1344-28-1	96.00	61.11
3	Central electrode	Copper	0.469	Copper	7440-50-8	100.00	74.14
4	Filler Material	CuSil	0.01024	Silver	7440-22-4	72.00	74.54
			0.00398	Copper	7440-50-8	28.00	74.61
5	Tin Plate	Sn/Pb	0.00258	Tin	7440-31-5	90.00	74.62
			0.000287	Lead	7439-92-1	10.00	76.67

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6	Leads	Wire	0.15	Tin	7440-31-5	100.00	78.78
7	Metal Oxide Varistor	MOV	0.0738	Silver	7440-22-4	100.00	80.83
8	Failsafe	Clamp	0.690	Tin	7440-31-5	100.00	100.00
		Total weight	3.599				

Date: September 2, 2010

Important remarks:

1. When asking for failsafe device, this product may be exempt under the EU's RoHS Directive, exemption #7b if end customer's products are listed in exemption description.
2. Weight might change according to requested configuration.