

MATERIAL DECLARATION SHEET



Material Number	CMF-RLC	
Product Line	PTC resistors	
Compliance Date	1/ 8/ 2009	
Version	A/1	
RoHS Compliant	Yes	

No.	Construction element	Material group	Material weight [g]	Materials	CAS if applicable	Average mass [%]	Sum [%]	Subpart mass of total wt. (%)
1	Substrate	Ceramic	0.38	Barium oxide	1304-28-5	50	100	29.503%
				Titanium dioxide	13463-67-7	25		
				Strontium oxide	1314-18-7	10		
				Lead oxide	1317-36-8	7		
				Calcium oxide	1305-78-8	5		
			Other		3			
2	Top electrode	Silver (Top Electrode)	0.007	Silver	7440-22-4	98	100	0.543%
				Other		2		
3	Bottom electrode	Silver (Bottom Electrode)	0.006	Silver	7440-22-4	78	100	0.466%
				Zinc	7740-66-6	20		
				Other		2		
4	Terminal	Copper	0.21	Copper	7440-50-8	95	100	16.304%
				Tin	7440-31-5	4		
				Other		1		
5	Cover	Nylon	0.026	Nylon	24937-16-4	42	100	2.019%
				Fiber glass	65997-17-3	30		
				Halogenated Flame retardant		24		
				Other		4		
6	Case	Ceramic	0.655	Aluminum oxide	1344-28-1	98	100	50.854%
				Other		2		

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7	Glue	Epoxy resin	0.004	Epoxy resin	38891-59-7	99	100	0.311%
				Other		1		
8	Marking	Glass		Glass	65997-18-4	100	100	
		Total weight	1.288					

This document was updated on: January 8, 2009

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS exemptions: 7c – lead in electronic ceramic parts.