



MATERIAL DECLARATION SHEET

Material #	CMF-SDP
Product Line	PTC resistors
Date	1/6/2009
Version	A/0
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	0.729	Barium oxide	1304-28-5	50	100	56.626%
				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	0.006	Silver	7440-22-4	98	100	0.466%
				Other		2		
3	Bottom electrode	Silver	0.005	Silver	7440-22-4	78	100	0.388%
				Zinc	7740-66-6	20		
				Other		2		
4	Tinned copper wire	Copper	0.0936	Copper	7440-50-8	95	100	7.271%
				Tin	7440-31-5	4		
				Other		1		



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5	PPS shell	PPS	0.3787	PPS	26125-40-6	98	100	29.416%
				Other		2		
6	Soldering	Tin	0.0667	Tin	7440-31-5	8	100	5.181%
				Lead	7439-92-1	90		
				Other		2		
7	Glue	Epoxy resin	0.0084	Epoxy resin	38891-59-7	99	100	0.652%
				Other		1		
8	Marking	Glass		Glass	65997-18-4	100	100	
		Total weight	1.2874					

This document was updated on: January 6, 2009

Important remarks:

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