

MATERIAL DECLARATION SHEET



Material #	CMF-SDP10A, 25A, 35A, 50A,		
Product Line	PTC resistors		
Date	1/6/2009		
Version	A/1		
RoHS Compliant	Yes	MSL	1



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	57.58
				Titanium(IV) oxide	13463-67-7	25		
				Strontium peroxide	1314-18-7	10		
				Lead(II) oxide	1317-36-8	10		
				Calcium oxide	1305-78-8	5		
2	Bottom electrode	NiCr alloy	0.004	Nickel Chromium	11106-97-1	99.7	100	0.32
				Other	-	0.3		
3	Top electrode	Silver	0.004	Silver	7440-22-4	98	100	0.32
				Other	-	2		
4	Tinned copper wire	Copper	0.094	Copper	7440-50-8	95	100	7.42
				Tin	7440-31-5	4		
				Other	-	1		

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5	PPS shell	PPS	0.379	PPS	26125-40-6	100	100	29.94
6	Soldering	Tin	0.041	Tin	7440-31-5	98.75	100	3.24
				Copper	7440-50-8	1.25		
7	Glue	Epoxy resin	0.008	Epoxy resin	38891-59-7	100	100	0.63
8	Marking	Glass	0.007	Lead-free Glass	65997-18-4	100	100	0.55
		Total weight	1.266					

This document was updated on: November 15, 2019

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.