


MATERIAL DECLARATION



Material Number	Model TC33			
Product Line	Trimming Potentiometer			
Compliance Date	August 16, 2004			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element	Material group	Material weight [g]	Materials	CASRN if applicable	Average mass (%)	Sum (%)
1	Substrate	Ceramic	0.0125	Aluminum oxide	1344-28-1	42.59	44.29
			0.0005	Other		1.7	
2	Electrode	Ag/Pd	0.00041	Silver	7440-22-4	1.4	1.54
			Trace	Lead oxide glass	1317-36-8		
			Trace	Bismuth trioxide	1304-76-3		
			Trace	Nickel oxide	1313-99-1		
			0.00004	Other		0.14	
3	Resistive element	Metal Glaze Resistor	0.00019	Ruthenium dioxide	12036-10-1	0.65	2.56
			0.00015	Lead oxide glass	1317-36-8	0.51	
			0.00041	Other		1.4	
4	Terminal	Stainless Steel	0.00475	Iron	7439-89-6	16.18	21.63
			Trace	Other			
		Leadframe	0.0006	Copper	7440-50-8	2.04	
	Coat	0.001	Tin	7440-31-5	3.41		
5	Slider	Stainless Steel	0.0059	Iron	7439-89-6	20.1	28.96
			0.0016	Chromium	7440-47-3	5.45	
			0.0008	Nickel	7440-02-1	2.73	
			0.0002	Other		0.68	
6	Conductive Paste	Conductive Paste	0.00017	Silver	7440-22-4	0.58	1.02
			0.00013	Other		0.44	

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Total Weight	0.02935
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This Document was updated on May 24, 2010

Important remarks:

1. Lead oxide glass is RoHS exempt.
2. It is the responsibility of the user to verify they are accessing the latest version.