


MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material #	CAY16-J2LF	
Product Line	Resistors Array	
Date	25-April-2006	
RoHS Compliant	Yes	

No.	Construction element	Material group	Material weight [g]	Materials	CAS if applicable	Average mass [%]	Sum [%]	Traces
1	Ceramic	Substrate	0.00382	Al ₂ O ₃	1344-28-1	96	100	
				SiO ₂	14808-82-7	2		
				Other		2		
2	Conductor	Terminal Electrode	0.000069	Ag-Pd	7440-22-4	95	100	
				Glass	65997-18-4	2		
				Other		3		
3	Resistive film	Resistor	0.000024	Glass	65997-18-4	43	100	
				RuO ₂	12036-10-1	36		
				Ag	7440-22-4	7		
				CaO	1305-78-8	6		
				Al ₂ O ₃	1344-28-1	1		
				Pd	7440-05-3	1		
				ZnO	1314-13-2	1		
				MnO ₂	1313-13-9	1		
Other		4						
4	Overcoat	Inner	0.000022	Glass	65997-18-4	90	100	
				Cr ₂ O ₃	1308-38-9	5		
				SiO ₂	14808-60-7	2		
				Other		3		
5	Overcoat	Outer	0.000065	Epoxy	25068-38-6	96	100	
				Other		4		
6	Side termination	Thick film	0.000099	Ag	7440-22-4	95	100	

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				Other		5		
7	Ni plating	Inner	0.000165	Ni	7440-02-0	100	100	
8	Sn plating	Outer	0.000135	Sn	7440-31-5	100	100	
		Total weight	0.004399					

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Important remarks:

1. Traces are product parts substances etc. that are below a percentage of 0.1% of total weight.
2. A list of the legally regulated substances or materials is available at internet address <http://www.eicta.org/content.asp?pageID=113>
3. Substances, materials etc. with possible harm to men and environment are listed.
4. There are no risks for human beings and to the environment if products are used properly as designated. This shall not apply to risks caused during procedures for disposal etc.
5. All statement herein are based on our present knowledge.