

# MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material	<b>CAY16-J8LF</b>	
Product Line	Resistors	
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	0.00824	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	96	100	
				SiO <sub>2</sub>	14808-82-7	2		
				Other		2		
2	Conductor	Terminal Electrode	0.00026	Ag-Pd	7440-22-4	95	100	
				Glass	65997-18-4	2		
				Other		3		
3	Resistive film	Resistor	0.00013	Glass	65997-18-4	43	100	
				RuO <sub>2</sub>	12036-10-1	36		
				Ag	7440-22-4	7		
				CaO	1305-78-8	6		
				Al <sub>2</sub> O <sub>3</sub>	1344-28-1	1		
				Pd	7440-05-3	1		
				ZnO	1314-13-2	1		
				MnO <sub>2</sub>	1313-13-9	1		
Other		4						
4	Overcoat	Inner	0.00009	Glass	65997-18-4	90	100	
				Cr <sub>2</sub> O <sub>3</sub>	1308-38-9	5		
				SiO <sub>2</sub>	14808-60-7	2		
				Other		3		
5	Overcoat	Outer	0.00015	Epoxy	25068-38-6	96	100	
				Other		4		
6	Side termination	Thick film	0.00020	Ag	7440-22-4	95	100	

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				Other		5		
7	Ni plating	Inner	0.00025	Ni	7440-02-0	100	100	
8	Sn plating	Outer	0.00020	Sn	7440-31-5	100	100	
		Total weight	0.00952					

Contact person	Cathy Godfrey	Bourns , Inc. 1200 Columbia Ave. Riverside, CA 92507 USA phone: 909 781-5690 fax: 909 781-5273
Bourns location	Riverside, CA	
Phone	Ext. 5008	
Fax		
e-mail	Cathy_Godfrey@bourns.com	

**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.