


# MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material #	CAT16-LV4F12LF Series	
Product Line	Chip Resistor Arrays	
Date	04/06/05	
RoHS Compliant	Yes	

No.	Construction Element	Material Group	Material Weight [g]	Materials	CAS If Applicable	Average Mass [%]
1	Ceramic	Substrate	0.01788	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	88.56
				other		
2	Conductor	Terminal Electrode	0.00065	Ag-Pd	7440-22-4	3.22
				Other		
3	Resistive film	Resistor	0.00011	RuO <sub>2</sub>	12036-10-1	0.54
				Glass	65997-18-4	
				Other		
4	Overcoat	Inner	0.00020	Glass	65997-18-4	0.99
				Other		
5	Overcoat	Outer	0.00052	Resin		2.58
6	Side termination	Thick film	0.00010	Ag-Pd	7440-22-4	0.49
				Other		
7	Ni plating	Inner	0.00045	Ni	7440-02-0	2.23
8	Sn plating	Outer	0.00028	Sn	7440-31-5	1.39
			Total Weight	0.02019		