


# MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material #	CAT16-PT4F4LF 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	88.43
				Other		
2	Conductor	Terminal Electrode	0.00088	Ag-Pd	7440-22-4	4.35
				Other		
3	Resistive film	Resistor	0.00006	RuO <sub>2</sub>	12036-10-1	0.30
				Glass	65997-18-4	
				Other		
4	Overcoat	Inner	0.00013	Glass	65997-18-4	0.64
				Other		
5	Overcoat	Outer	0.00044	Resin		2.18
6	Side termination	Thick Film	0.00010	Ag-Pd	7440-22-4	0.50
				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	0.02022		