



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



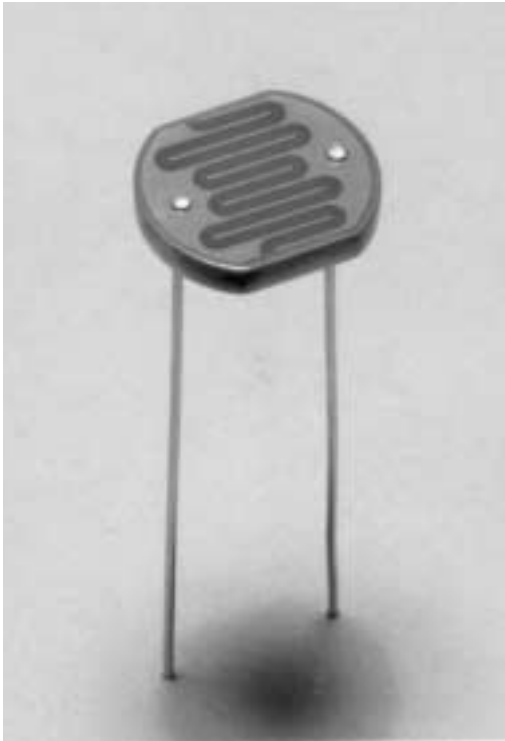
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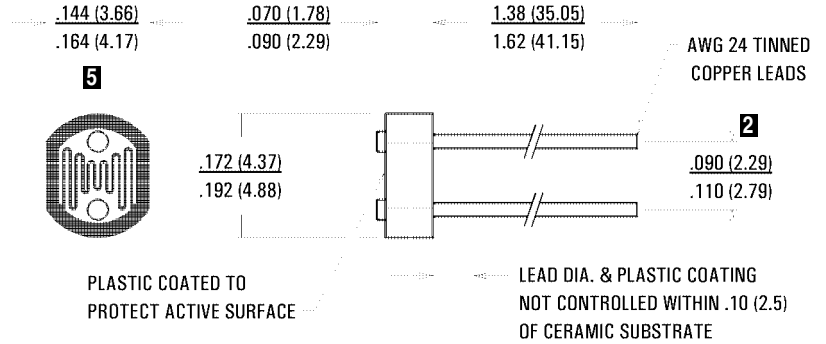
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PACKAGE DIMENSIONS inch (mm)



ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Rating	Units
Continuous Power Dissipation Derate Above 25°C	P_D $\Delta P_D / \Delta T$	80 1.6	mW mW/°C
Temperature Range Operating and Storage	T_A	-40 to +75	°C

ELECTRO-OPTICAL CHARACTERISTICS @ 25°C (16 hrs. light adapt, min.) 4

Part Number	Resistance (Ohms) 3 6						Material Type	Sensitivity (γ , typ.) $\frac{\text{LOG}(R_{10}/R_{100})}{\text{LOG}(100/10)}$	Maximum Voltage (V, pk)	Response Time @ 1 fc (ms, typ.)		
	10 lux 2850 K			2 fc 2850 K	Dark					Rise (1-1/e)	Fall (1/e)	
	Min.	Typ.	Max.	Typ.	Min.	sec.						
VT9ØN1	6 k	12 k	18 k	6 k	200 k	5	Ø	0.80	100	78	8	
VT9ØN2	12 k	24 k	36 k	12 k	500 k	5	Ø	0.80	100	78	8	
VT9ØN3	25 k	50 k	75 k	25 k	1 M	5	Ø	0.85	100	78	8	
VT9ØN4	50 k	100 k	150 k	50 k	2 M	5	Ø	0.90	100	78	8	
VT93N1	12 k	24 k	36 k	12 k	300 k	5	3	0.90	100	35	5	
VT93N2	24 k	48 k	72 k	24 k	500 k	5	3	0.90	100	35	5	
VT93N3	50 k	100 k	150 k	50 k	500 k	5	3	0.90	100	35	5	
VT93N4	100 k	200 k	300 k	100 k	500 k	5	3	0.90	100	35	5	
VT935G												
1	Group A	10 k	18.5 k	27 k	9.3 k	1 M	5	3	0.90	100	35	5
	Group B	20 k	29 k	38 k	15 k	1 M	5	3	0.90	100	35	5
	Group C	31 k	40.5 k	50 k	20 k	1 M	5	3	0.90	100	35	5

See page 13 for notes.