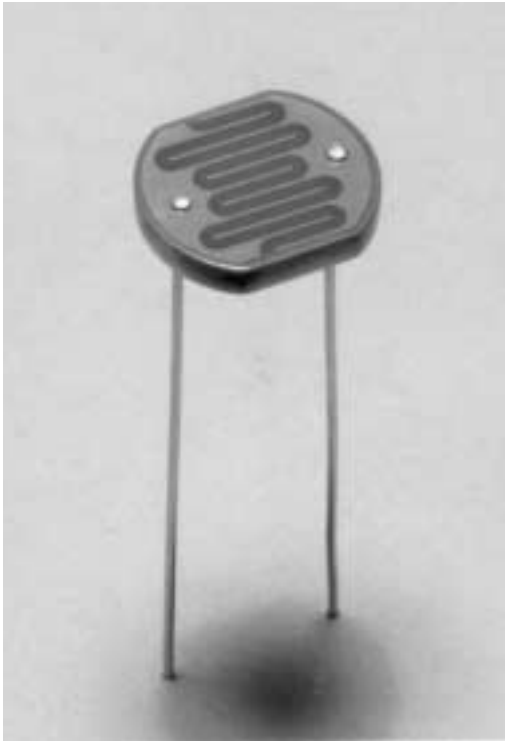
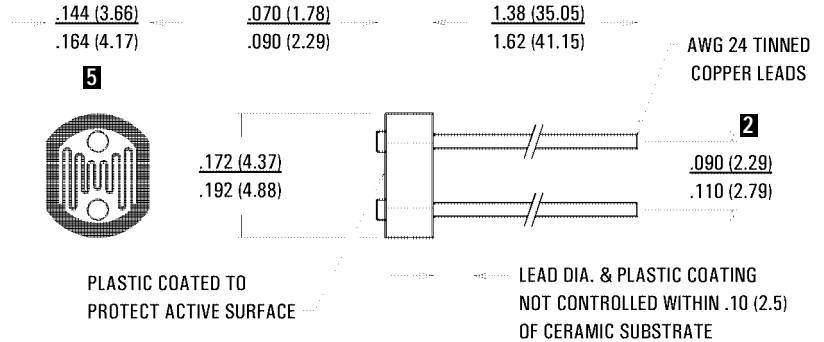


Photoconductive Cell

VT900 Series



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.