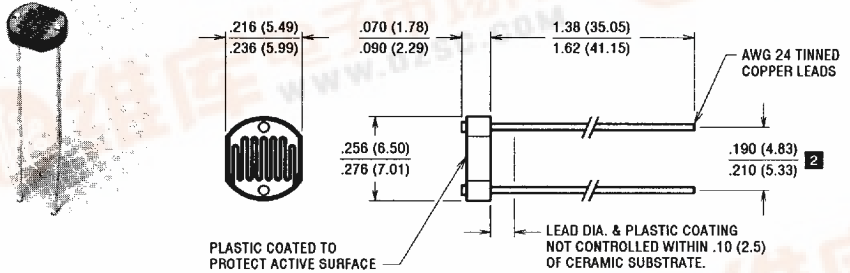


PHOTOCONDUCTIVE CELL

VT800 Series

PACKAGE DIMENSIONS inch (mm)



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNITS
CONTINUOUS POWER DISSIPATION DERATE ABOVE 25° C	P_D $\Delta P_D / \Delta T$	175 3.5	mW mW/°C
TEMPERATURE RANGE OPERATING AND STORAGE	T_A	- 40 to +75	°C

ELECTRO-OPTICAL CHARACTERISTICS @ 25° C (16 HRS. LIGHT ADAPT, MIN.)

Part Number *	Resistance (Ohms) ³						Material Type	Sensitivity (γ , typ.) LOG (R10/R100) LOG (100/10)	Maximum Voltage (V, pk)	Response Time @ 1 fc (ms, typ.) ⁴	
	10 lux 2850 K		2 fc 2850 K		DARK					Rise (1-1/e)	Fall (1/e)
	Min.	Typ.	Max.	Typ.	Min.	sec.					
VT80N1	4.0 k	8.0 k	12 k	4.0 k	100 k	5	∅	0.80	100	78	8
VT80N2	8.0 k	16 k	24 k	8.0 k	500 k	5	∅	0.80	200	78	8
VT83N1	6.0 k	12 k	18 k	6.0 k	100 k	5	3	0.95	100	35	5
VT83N2	12 k	28 k	36 k	12 k	500 k	5	3	0.95	200	35	5
VT83N3	24 k	48 k	72 k	24 k	1.0 M	5	3	0.95	200	35	5
VT83N4	50 k	100 k	150 k	50 k	2.0 M	5	3	0.95	200	35	5