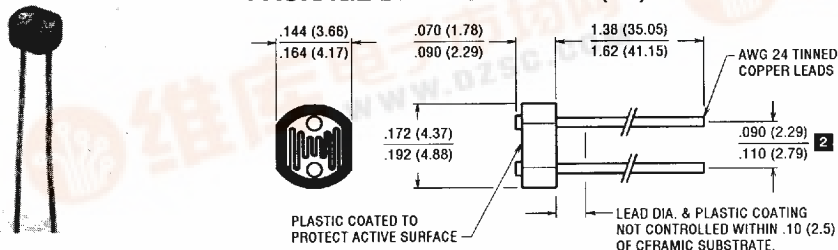


PHOTOCONDUCTIVE CELL

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						Material Type	Sensitivity (γ , typ.) LOG (R10/R100) 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.					
VT90N1	6.0 k	12 k	18 k	6.0 k	200 k	5	Ø	0.80	100	78	8
VT90N2	12 k	24 k	36 k	14 k	500 k	5	Ø	0.80	100	78	8
VT90N3	25 k	50 k	75 k	34 k	1.0 M	5	Ø	0.85	100	78	8
VT90N4	50 k	100 k	150 k	80 k	2.0 M	5	Ø	0.90	100	78	8
VT90SG											
GROUP A	8.0 k	14 k	20 k	4.5 k	200 k	5	Ø	0.70	100	78	8
GROUP B	14 k	25 k	36 k	7.0 k	200 k	5	Ø	0.70	100	78	8
GROUP C	24 k	42 k	60 k	11.5 k	200 k	5	Ø	0.70	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	30 k	500 k	5	3	0.90	100	35	5
VT93N3	50 k	100 k	150 k	70 k	500 k	5	3	0.90	100	35	5
VT93N4	100 k	200 k	300 k	168 k	500 k	5	3	0.90	100	35	5
VT93SG											
GROUP A	10 k	18.5 k	27 k	9.3 k	1.0 M	5	3	0.90	100	35	5
GROUP B	20 k	29 k	38 k	15 k	1.0 M	5	3	0.90	100	35	5
GROUP C	31 k	40.5 k	50 k	20 k	1.0 M	5	3	0.90	100	35	5