

DATE	REVISIONS	REV
11-24-92	REDRAWN/ADDED LEAD MAT'L TO TBL.	A
11-16-93	REVISED ELECTRO-OPTICAL CHART & MAX. RATINGS.	B
12-18-97	E.C.N. #10BRDR./	C
6-18-98	E.C.N. #10438./	D

DRAWING NUMBER
OED-SP-5093

REV
D

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPEN CIRCUIT VOLTAGE	V_{oc}	$E_e = 0.5\text{mw/cm}^2$		0.39		V
SHORT CIRCUIT CURRENT	I_{sc}	$E_e = 0.5\text{mw/cm}^2$		80		μA
DARK CURRENT	I_d	$V_r = 10\text{V}$ $E_e = 0.5\text{mw/cm}^2$			10	nA
TERMINAL CAPACITANCE	C_t	$V_r = 3\text{V}$, $F = 1\text{MHz}$		5		pF
RESPONSE TIME	T_r/T_f	$V_r = 10\text{V}$, $R_l = 1000\Omega$		6/6		nS
SPECTRAL SENSITIVITY	λ			500~1000		nm
PEAK WAVELENGTH	λ_p			940		nm
HALF ANGLE	$\Delta\theta$			± 15		DEG
LENS COLOR:	CLEAR					

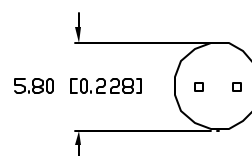
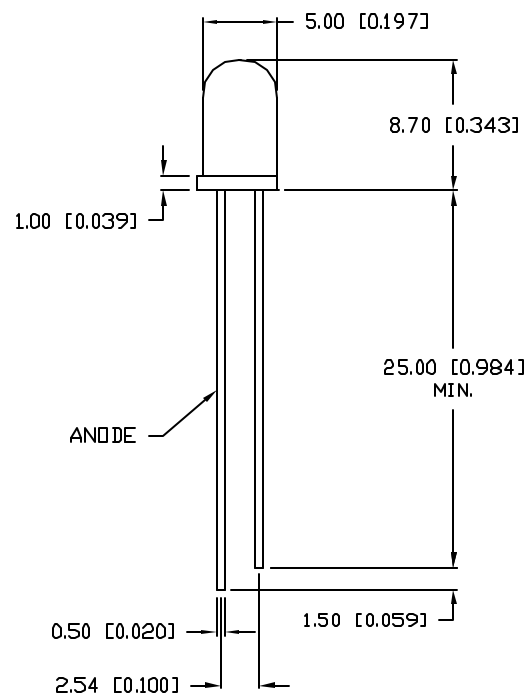
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	20	V
POWER DISSIPATION	20	mW
OPERATING TEMP.	-30 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

□



NOTE: □

1. ACTIVE AREA: 0.43 x 0.86mm.

ANODE  CATHODE

UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

DU

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

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DATE: 10-21-91	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-5mm DUAL CHIP PHOTODIODE.

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