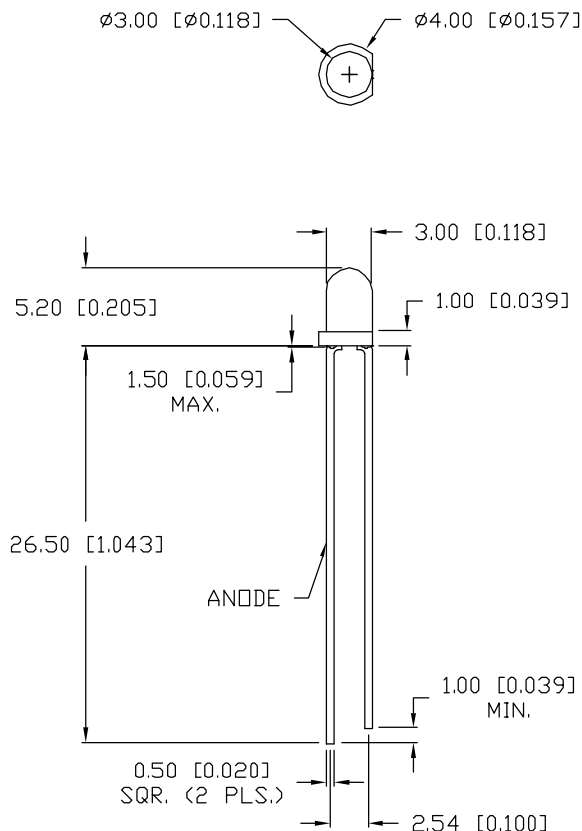
ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH SENS.		980		nm	
SPECTRAL SENSITIVITY	840		1200	nm	
OPEN CIRCUIT VOLTAGE		0.42		V	$E_e = 5.0 \text{ mW/cm}^2$
SHORT CIRCUIT CURRENT		15		μA	$E_e = 5.0 \text{ mW/cm}^2$
DARK CURRENT			10	nA	$V_r = 5 \text{ V}$
SWITCHING TIME		6		nS	$V_r = 10\text{V}, R_l = 1000\Omega$
TOTAL CAPACITANCE		5		pF	$E_e = 0.0 \text{ mW/cm}^2$
					$V_r = 5\text{V}, F = 1\text{MHz}$
HALF ANGLE		± 15		degrees	
EPOXY FINISH:	BLACK DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
REVERSE VOLTAGE	32	V
POWER DISSIPATION	150	mW
OPERATING TEMP.	$-25 \text{ TO } +85$	$^\circ\text{C}$
STORAGE TEMP.	$-40 \text{ TO } +85$	$^\circ\text{C}$
SOLDERING TEMP.	$+260$	$^\circ\text{C}$
4.0mm FROM BODY		5 SEC. MAX

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X = \pm 1$ (± 0.039), $X.X = \pm 0.5$ (± 0.020), $X.XX = \pm 0.25$ (± 0.010), $X.XXX = \pm 0.127$ (± 0.005). LEAD SIZE = ± 0.05 (± 0.002), LEAD LENGTH = ± 0.75 (± 0.030). MIN = +DECIMAL PRECISION MAX = +0.00 -DECIMAL PRECISION

REV.

PART NUMBER
OED-SP3054L30T-3mm (T-1) PHOTO DIODE,
BLACK DIFFUSED LENS.

CONFIDENTIAL INFORMATION

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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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 12.18.03

PAGE: 1 OF 1

SCALE: N/A