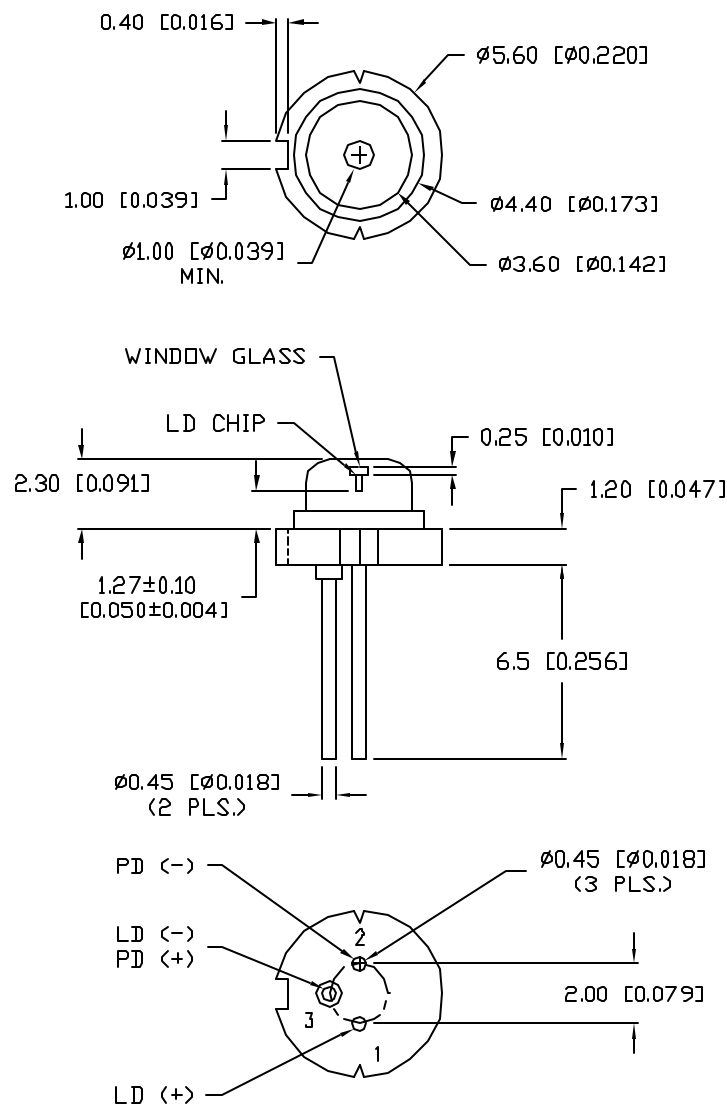


OED-LD78001E

PRELIMINARY IN P/N DIR.

ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ		785		P _o =5mW	nm
THRESHOLD CURRENT	I _{th}		30	40	CW	mA
OPERATING CURRENT	I _{op}		45	60	P _o =5mW	mA
OPERATING VOLTAGE	V _{op}		2.3	2.5	P _o =5mW	V
MONITORING CURRENT	I _m		4.5		P _o =5mW	mA
BEAM DIVERGENCE:	θ		9		P _o =5mW, FWHM	deg.
	θ_{LL}		25			deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _o	8	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	15	V
OPERATING TEMP.	T _{op}	-10 TO +60	°C
STORAGE TEMP.	T _{stg}	-40 TO +85	°C

UNCONTROLLED DOCUMENT

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

REV.

PART NUMBER

OED-LD78001E

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785nm INFRARED LASER DIODE, T0-18 (ø5.6mm) PACKAGE,
5mW OUTPUT.

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.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 5.7.02

PAGE: 1 OF 1

SCALE: N/A