

UNCONTROLLED DOCUMENT

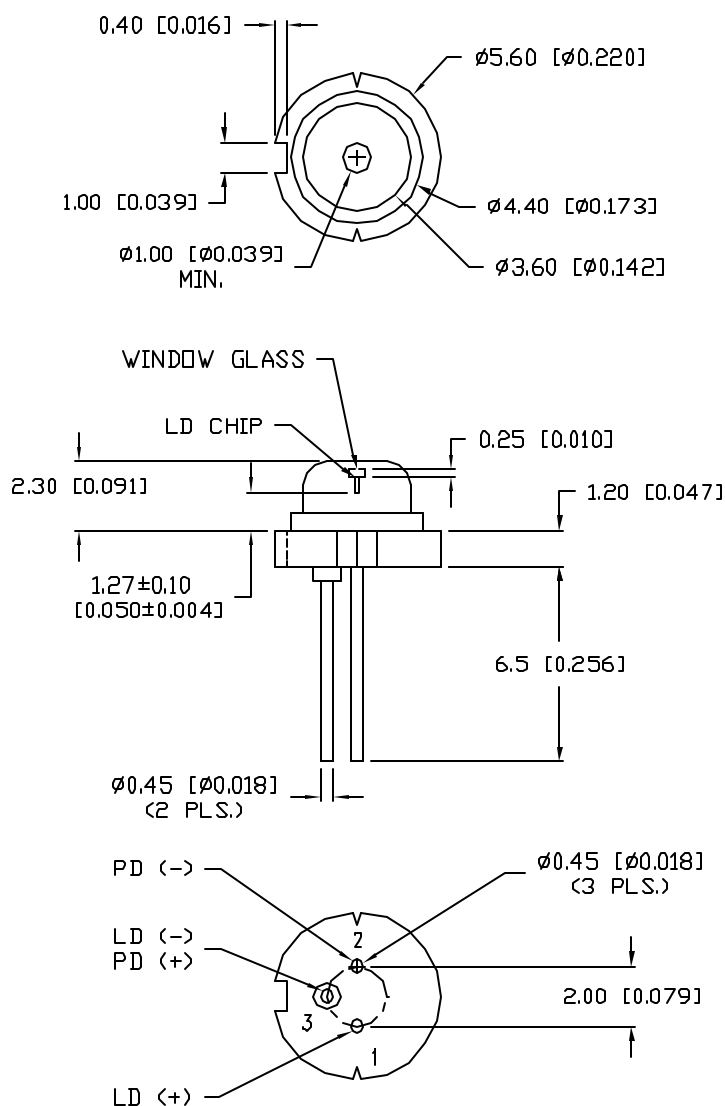
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PART NUMBER

REV.

OED-LDH78002E

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 =50mW	nm
THRESHOLD CURRENT	I _{th}		30	50	CW	mA
OPERATING CURRENT	I _{op}		100	140	P _o =50mW	mA
OPERATING VOLTAGE	V _{op}		2.2	2.5	P _o =50mW	V
MONITORING CURRENT	I _m	0.10	0.25	0.60	P _o =50mW	mA
BEAM DIVERGENCE:	θ	5.5	7.0	8.0	P _o =50mW	deg.
	θ_L	15	17	20	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _a	50	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

*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.=+0.00 PRECISION MAX.=+0.00 PRECISION

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785nm INFARED LASER DIODE, T0-18 PACKAGE,
50mW OUTPUT.

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:

CHECKED BY:

APPROVED BY:

CT

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SCALE: N/A