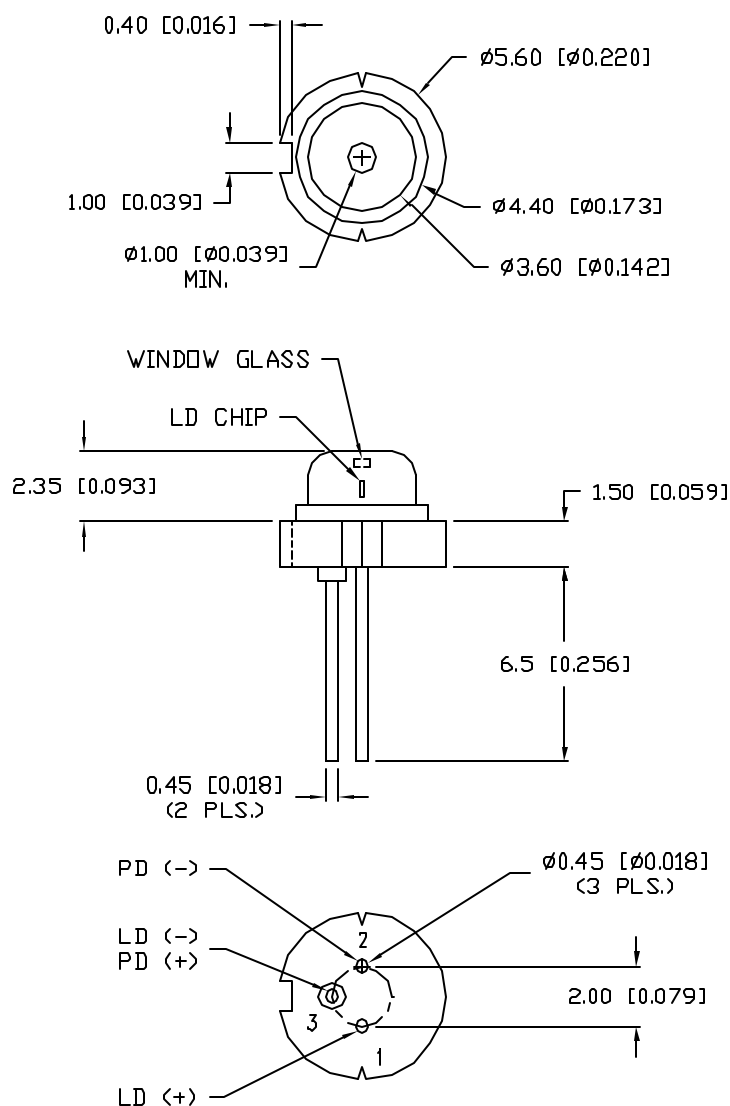


ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	655	660	665	P _o =20mW	nm
THRESHOLD CURRENT	I _{th}		40	70	CW	mA
OPERATING CURRENT	I _{op}		70	100	P _o =20mW	mA
OPERATING VOLTAGE	V _{op}		2.5	3.0	P _o =20mW	V
SLOPE EFFICIENCY			0.7			W/A
MONITORING CURRENT	I _m		0.2	1.0	P _o =20mW	mA
BEAM DIVERGENCE:	θ	6	8	12	P _o =20mW	deg.
	θ_L	17	22	26	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _a	25	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	30	V
OPERATING TEMP.	T _{op}	- 10 TO + 40	°C
STORAGE TEMP.	T _{stg}	- 40 TO + 80	°C

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±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-LDH66020E

660nm LASER DIODE, TO-18 PACKAGE,
SUPER POWER, 20mW OUTPUT.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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:

DATE: 11.1.02

PAGE: 1 OF 1

SCALE: N/A

CT