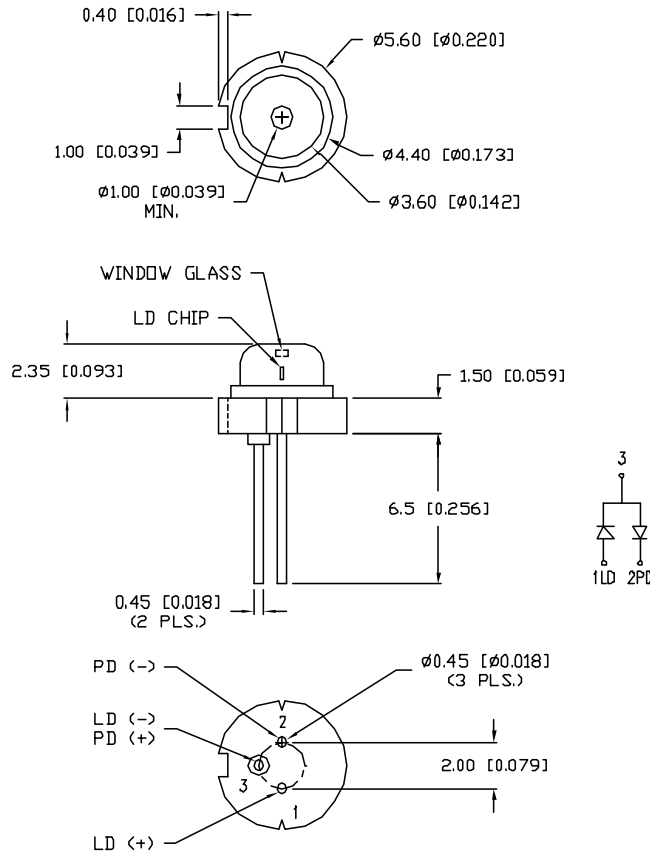


UNCONTROLLED DOCUMENT

PART NUMBER
OED-LDH66003E

REV.



ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	655	658	660	Po=50mW	nm
THRESHOLD CURRENT	I _{th}		40	70	CW	mA
OPERATING CURRENT	I _{op}		125	150	Po=50mW	mA
OPERATING VOLTAGE	V _{op}		2.5	3.0	Po=50mW	V
SLOPE EFFICIENCY			0.7			W/A
MONITORING CURRENT	I _m	0.05	0.5	2	Po=50mW	mA
BEAM DIVERGENCE:	θ	6	8	12	Po=50mW	deg.
	θ_L	17	22	26	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _a	55	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), 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= -0.000, MAX= +0.000 PER DECIMAL PRECISION.

UNCONTROLLED DOCUMENT

REV.	PART NUMBER OED-LDH66003E	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.	LUMEX 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
660nm LASER DIODE, TO-18 PACKAGE, SUPER POWER, 50mW 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: CT CHECKED BY: APPROVED BY: DATE: 10.8.01 PAGE: 1 OF 1 SCALE: N/A