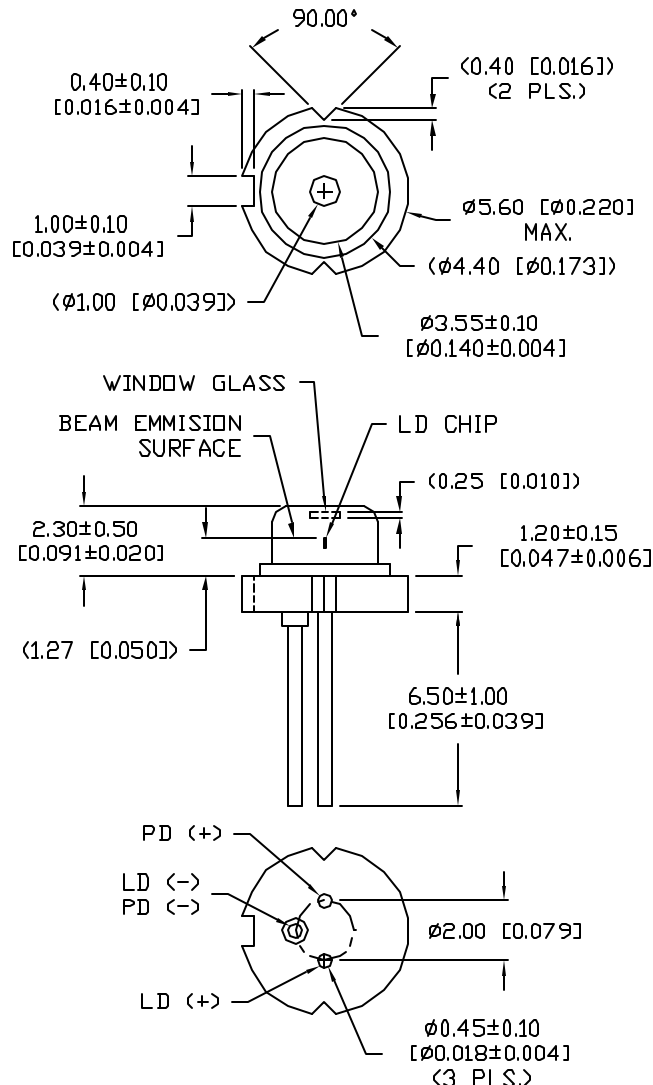


UNCONTROLLED DOCUMENT

PART NUMBER
OED-LD65001E

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10559.	10.12.99
B	E.C.N. #10BRDR.	11.29.01



⊠ ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ		650	660	Po=5mW	nm
THRESHOLD CURRENT	Ith		30	40	CW	mA
OPERATING CURRENT	Iop		40	50	Po=5mW	mA
OPERATING VOLTAGE	Vop	2.0	2.1	2.5	Po=5mW	V
MONITORING CURRENT	I _m	0.1	0.7	1.0	Po=5mW	mA
ASTIGMATISM	As	3	5	8		μ m
BEAM DIVERGENCE:	θ		8	12	Po=5mW,	deg.
	θ_{LL}	25	30	35	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	Po	5	mW
LD REVERSE VOLTAGE	VR(LD)	2	V
PD REVERSE VOLTAGE	VR(PD)	30	V
OPERATING TEMP.	Top	-10 TO +70	°C
STORAGE TEMP.	Tstg	-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.=^{+DECIMAL PRECISION}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION}

UNCONTROLLED DOCUMENT

REV. B	PART NUMBER OED-LD65001E
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650nm LASER DIODE, T0-18 (ø5.6mm) PACKAGE,
5mW OUTPUT, DVD USE.

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: 2.12.99 PAGE: 1 OF 1 SCALE: N/A
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