

UNCONTROLLED DOCUMENT

SC:0.25

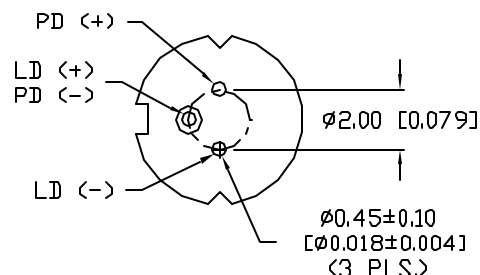
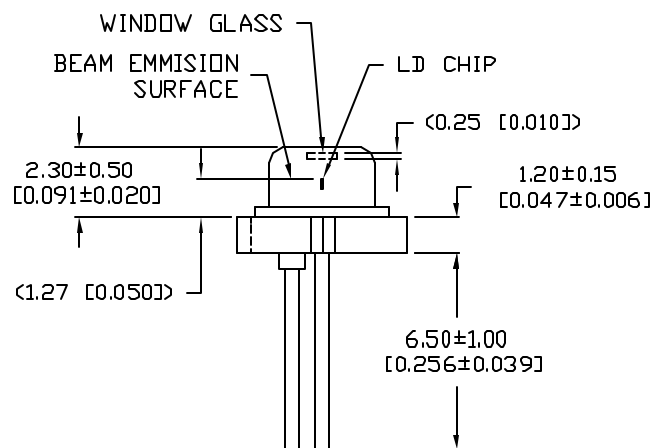
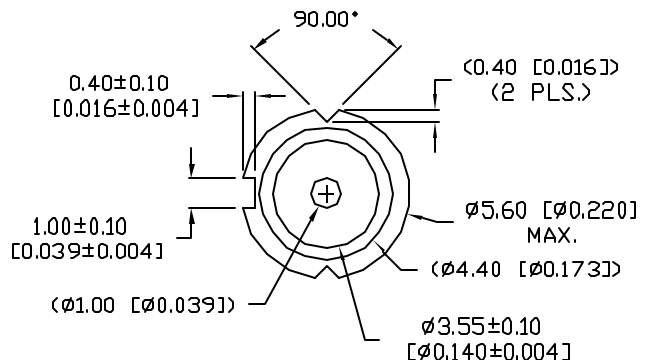
PART NUMBER
OED-LDP78501E

REV.

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	770	785	810	Po=3mW	nm
THRESHOLD CURRENT	Ith		35	60	CW	mA
OPERATING CURRENT	Iop		45	70	Po=3mW	mA
OPERATING VOLTAGE	Vop		1.9	2.3	Po=3mW	V
MONITORING CURRENT	I _m	0.1	0.2	0.6	Po=3mW	mA
BEAM DIVERGENCE:	θ	8	11	15	Po=3mW	deg.
	θ_L	20	37	45		deg.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	Po	5	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	30	V
OPERATING TEMP.	T _{op}	-10 TO +60	°C
STORAGE TEMP.	T _{stg}	-40 TO +85	°C

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*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

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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.

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INCORPORATED

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CHECKED BY:

APPROVED BY:

DATE: 2-12-99

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PAGE: 1 OF 1

SCALE: N/A

785nm LASER DIODE, TO-18 (ø5.6mm) PACKAGE,
3mW OUTPUT.