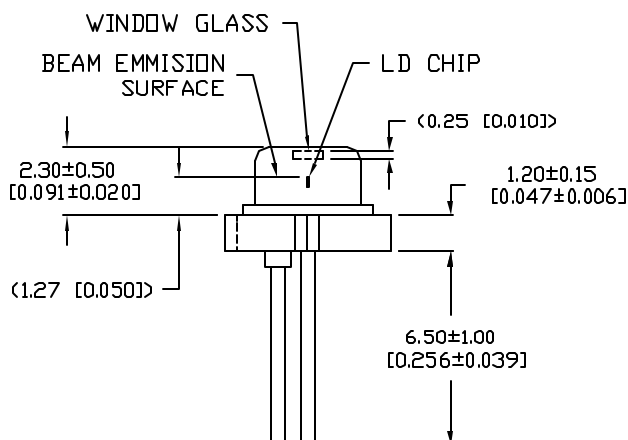
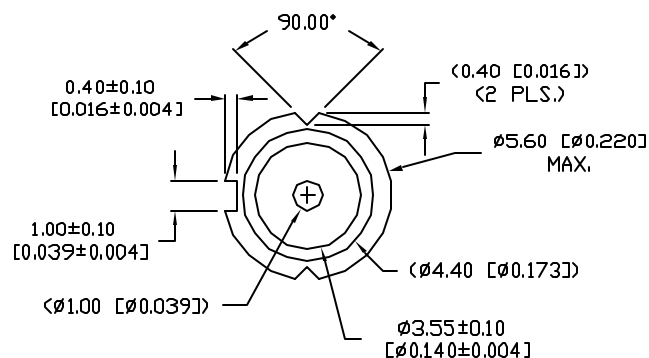
ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	645	650	660	P _o =10mW	nm
THRESHOLD CURRENT	I _{th}		35	50	CW	mA
OPERATING CURRENT	I _{op}		45	60	P _o =10mW	mA
OPERATING VOLTAGE	V _{op}		2.2	2.6	P _o =10mW	V
MONITORING CURRENT	I _m		0.2	0.8	P _o =10mW	mA
BEAM DIVERGENCE:	θ	6	8	12	P _o =10mW	deg.
	θ_L	25	32	40	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _a	12	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	30	V
OPERATING TEMP.	T _{op}	-10 TO +50	°C
STORAGE TEMP.	T _{stg}	-40 TO +85	°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.=+0.00 PRECISION -0.00, MAX.=+0.00 PRECISION -0.00

REV.

PART NUMBER

OED-LDH65010E

650nm LASER DIODE, TO-18 (Ø5.6mm) PACKAGE,
10mW 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.



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PAGE: 1 OF 1

SCALE: N/A

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