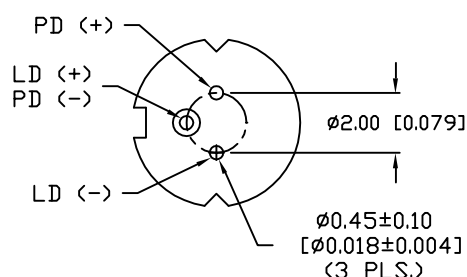
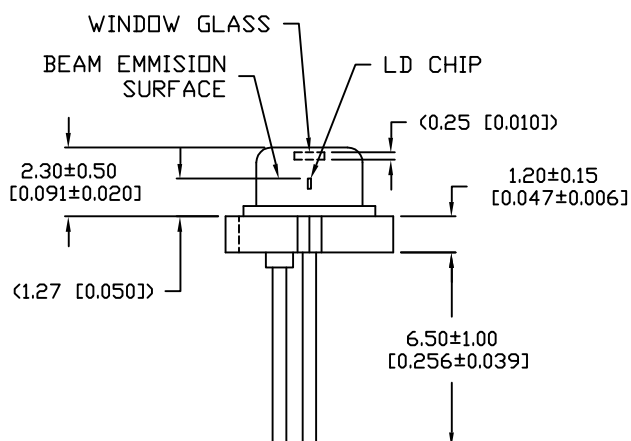
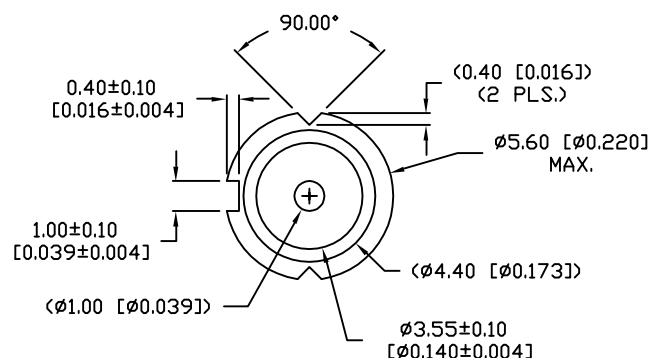


UNCONTROLLED DOCUMENT

PART NUMBER
OED-LDH65010EREV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11452.	10.25.07

ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	645	650	660	Po=10mW	nm
THRESHOLD CURRENT	I _{th}		20	25	CW	mA
OPERATING CURRENT	I _{op}		36	45	Po=10mW	mA
OPERATING VOLTAGE	V _{op}		2.3	2.6	Po=10mW	V
MONITORING CURRENT	I _m	0.05	0.15	0.3	Po=10mW	mA
BEAM DIVERGENCE:	θ	6	8	12	Po=10mW	deg.
	θ_L	22	30	36	FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	Po	10	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.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.
APART NUMBER
OED-LDH65010E650nm LASER DIODE, T0-18 (Ø5.6mm) PACKAGE,
10mW OUTPUT.

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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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CT			PAGE: 1 OF 1
			SCALE: N/A

Pb

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