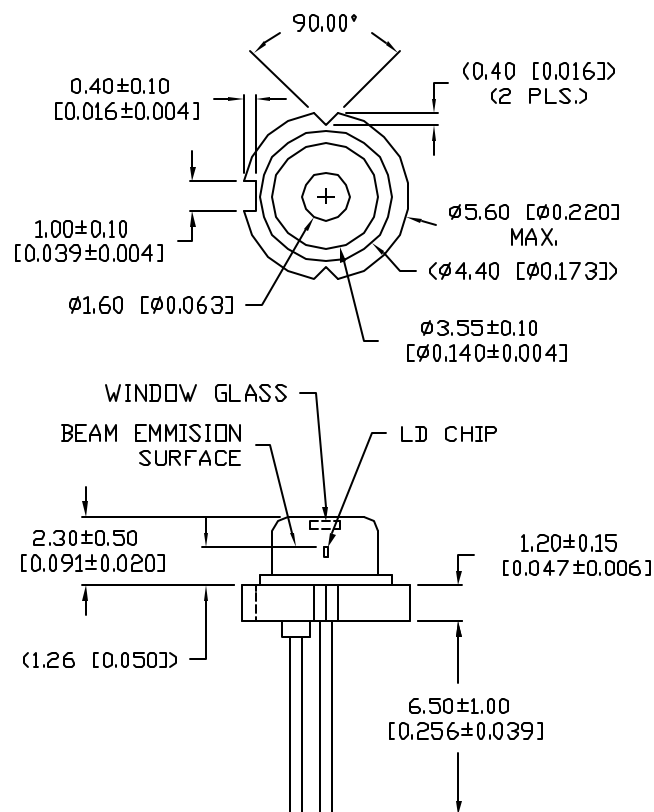
ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	630	635	640	P _o =5mW	nm
THRESHOLD CURRENT	I _{th}		25	35	CW	mA
OPERATING CURRENT	I _{op}		35	45	P _o =5mW	mA
OPERATING VOLTAGE	V _{op}		2.3	2.7	P _o =5mW	V
MONITORING CURRENT	I _m		0.05	0.8	P _o =5mW	mA
SLOPE EFFICIENCY	η	0.35	0.55	1.0	$\frac{2mW}{I(5mW)-I(3mW)}$	mW/mA
BEAM DIVERGENCE:	θ		8		P _o =5mW, FWHM	deg.
	θ_L		35			deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _o	7	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	10	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), 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

REV.

PART NUMBER

OED-LD63503E

635nm LASER DIODE, TO-18 (ø5.6mm) PACKAGE,
5mW 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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