

Excellent Integrated System Limited

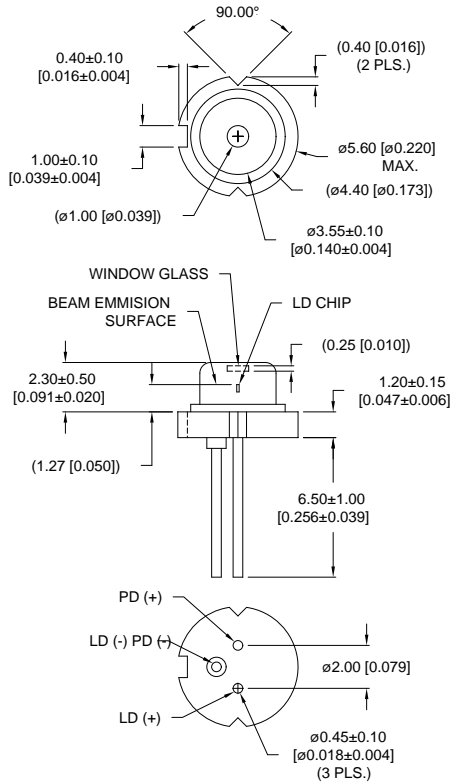
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[OED-LD65001E](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

UNCONTROLLED DOCUMENT



PART NUMBER		REV.
OED-LD65001E		
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE

ELECTRO-OPTICAL CHARACTERISTICS (T_c=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
LASING WAVELENGTH	λ	650	660		Po=5mW	nm
THRESHOLD CURRENT	I _{th}		18	25	CW	mA
OPERATING CURRENT	I _{op}		25	35	Po=5mW	mA
OPERATING VOLTAGE	V _{op}	2.0	2.1	2.5	Po=5mW	V
MONITORING CURRENT	I _m	0.05	0.1	0.5	Po=5mW	mA
ASTIGMATISM	As	3	5	8		μm
BEAM DIVERGENCE:	$\theta_{//}$		9		Po=5mW,	deg.
	θ_{\perp}		33		FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (T_c=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	P _o	5	mW
LD REVERSE VOLTAGE	V _{R(LD)}	2	V
PD REVERSE VOLTAGE	V _{R(PD)}	30	V
OPERATING TEMP.	T _{op}	10 TO + 70	°C
STORAGE TEMP.	T _{stg}	40 TO + 85	°C

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

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

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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.

LUMEX INCORPORATED

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			SCALE: N/A