



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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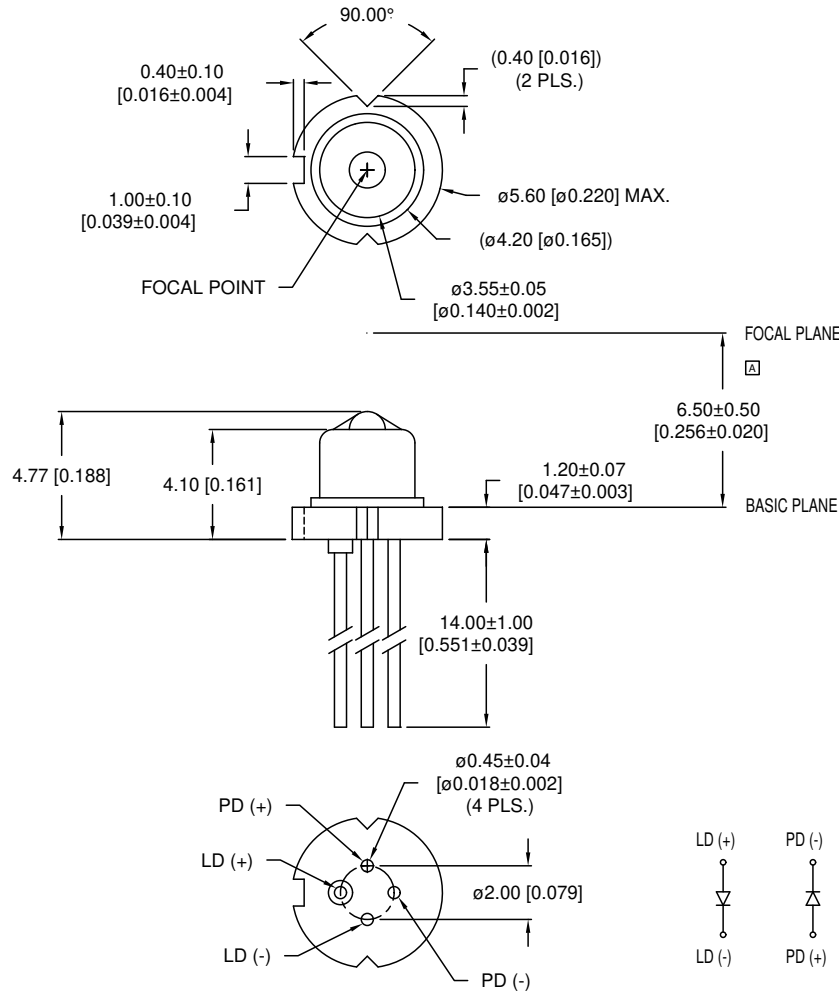
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UNCONTROLLED DOCUMENT

PART NUMBER		REV.
OED-LDC15001EB		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE



ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C, Po=5mW)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
PEAK WAVELENGTH	λ	1520	1550	1580	CW	nm
SPECTRAL WIDTH	$\Delta\lambda$		2	5	CW	nm
FORWARD VOLTAGE	Vf		1.2	1.5	CW	V
THRESHOLD CURRENT	Ith		8	20		mA
PD MONITOR CURRENT	Pm	100		600	CW	μ A
PD DARK CURRENT	I(DARK)			0.1	V R(PD)=5V	μ A
PD CAPACITANCE	Ct		6	15	R(WD)=5Vf=1MHz	pF
RISE TIME	Tr			0.5	CW, Ibias=Ith,	ns
FALL TIME	Tf			0.5	10-90%	ns
SLOPE EFFICIENCY		0.12	0.15			mW/mA
BEAM DIVERGENCE:	θ		20		CW,	deg.
	θ_L		40		FWHM	deg.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	Po	5(CW)	mW
LD REVERSE VOLTAGE	V R(LD)	2	V
PD REVERSE VOLTAGE	V R(PD)	10	V
PD FORWARD CURRENT	I F(PD)	1.0	mA
OPERATING TEMP.	Top	40 TO + 85	°C
STORAGE TEMP.	Tstg	40 TO + 85	°C

WARNING
INVISIBLE LASER RADIATION,
AVOID DIRECT EXPOSURE TO BEAM.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

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

REV.	PART NUMBER
A	OED-LDC15001EB
1550nm LASER DIODE, TO-18 (5.6mm) PACKAGE, 5mW 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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			SCALE: N/A