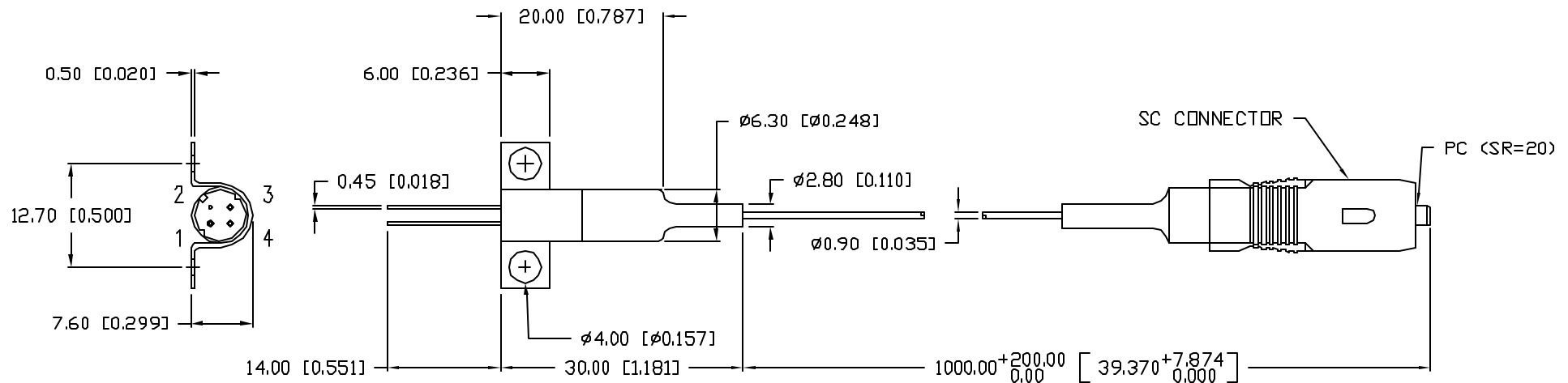


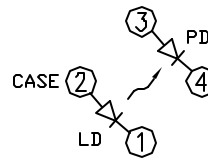


ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C)

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST COND	UNITS
PEAK WAVELENGTH	λ	1290	1310	1330	CW, Pf=0.3mW	nm
SPECTRAL WIDTH	$\Delta\lambda$		2	5	CW, Pf=0.3mW	nm
FORWARD VOLTAGE	Vf		1.2	1.8	CW, Pf=0.3mW	V
THRESHOLD CURRENT	Ith		12	20	CW	mA
PD MONITOR CURRENT	Pm	100			CW, Pf=0.3mW	μ A
PD DARK CURRENT	I(DARK)			0.1	V PD=-5V	μ A
PD CAPACITANCE	Ct		6	15	V PD=-5V, f=1MHz	pF
RISE TIME	Tr			0.5	Ibias=Ith	ns
FALL TIME	Tf			0.5	10-90%	ns
OPTICAL OUTPUT POWER	Pf	0.3			CW, Ith+20mA, KINK FREE	mW
TRACKING ERROR				± 1.0	APC, -40 TO 85°C	deg.

ABSOLUTE MAXIMUM RATINGS (Tc=25°C)

PARAMETER	SYMBOL	MAX	UNITS
OPTICAL POWER	Po	0.4	mW
LD REVERSE VOLTAGE	Vr(LD)	2	V
PD REVERSE VOLTAGE	Vr(PD)	10	V
PD FORWARD CURRENT	If(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.

*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}_{-0.00}, MAX.=^{+0.00}_{-DECIMAL PRECISION}

REV.

PART NUMBER

OED-LDM13001SSCL

1310nm LASER DIODE,

PIGTAIL MODULE LOW POWER, SC CONNECTOR.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: (847) 359-2790
WEB: <http://www.lumex.com>

DRAWN BY:

SK

CHECKED BY:

APPROVED BY:

DATE: 5-8-00

PAGE: 1 OF 1

SCALE: N/A