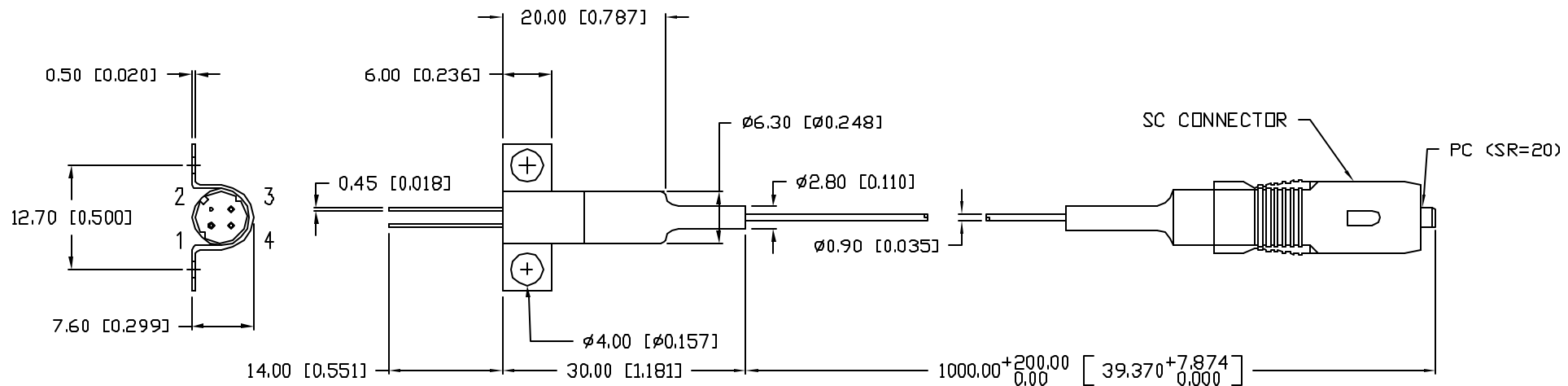


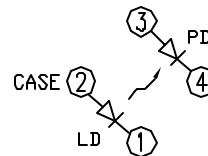


ELECTRO-OPTICAL CHARACTERISTICS (Tc=25°C)

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	1.6	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	0.5			CW, Ith+20mA, KNK 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	0.8	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-LDM13001SSCM

1310nm LASER DIODE,

PIGTAIL MODULE MEDIUM POWER, SC CONNECTOR.

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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