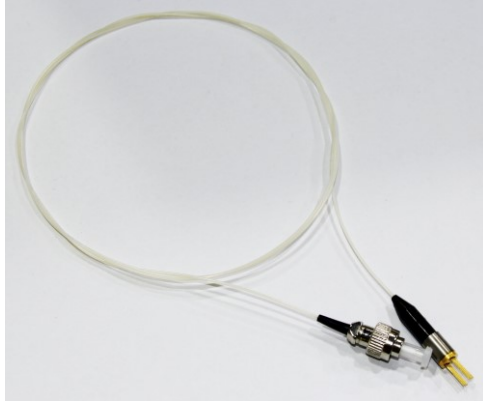


Cooled Laser TO-CAN TOSA with pigtail

LTPCXX



Key Features

- Low threshold current
- Stable single longitudinal mode emission
- TEC and thermistor inside
- Low noise
- Low-cost TO-can package

Applications

- OTDR
- Optical interconnects
- CATV

Specifications(Tc=25°C,unless otherwise noted)

Parameters	Min.	Typ.	Max.	Unit
Ambient Operating Temperature	-20	-	70	°C
Laser Operating Temperature	-	25	-	°C
Store Temperature	-40	-	85	°C
Threshold current (I _{th})		8	10	mA
Operate current(I _{th} +20mA)		28	30	mA
Output power(I _{th} +20mA)	1.8	2	2.5	mW
Slope efficiency	-	0.1	-	mA
Center wavelength	$\lambda - 3\text{nm}$	λ	$\lambda + 3\text{nm}$	nm
Side Mode suppression ration	35	40	-	dB
Optical Isolation	25	-	-	dB
Power Monitor Current	100	300	1000	μA
Power Monitor Dark Current	-	-	10	nA
TEC Current	-	0.5	0.9	A
TEC Voltage	-	-	1.2	V
Thermistor B constant	-	4050	-	K
Thermistor Resistance @25°C	9.5	10	10.5	k Ω

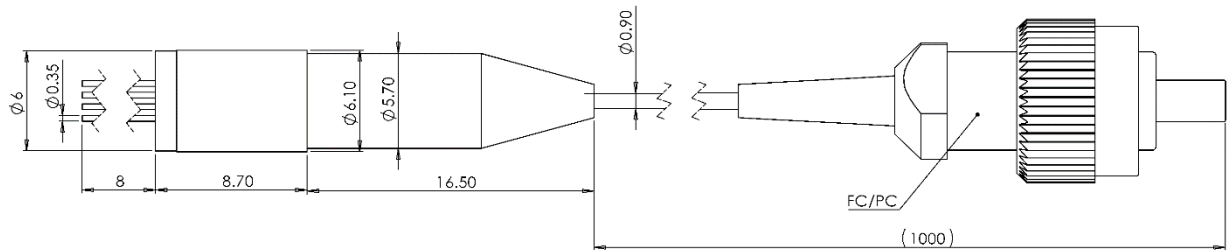
* Product specifications are subject to change without notice.

Dimensions

(in millimeters)

Pin Assignments

	Pin	Symbol	Description
	1	TEC+	TEC anode
	2	Rth	thermistor
	3	PD-	PD cathode
	4	PD+	PD anode
	5	LD-	LD cathode
	6	LD+	LD anode
	7	Rth	Thermistor
8	TEC-	TEC cathode	



Unit: mm

Order information

Family Name	wavelength	-	cooled	Optical power	-	Fiber	Connector	-	TO type	PIN length
LTPC	29:1290 31:1310 61:1610 62:1625 65:1653	-	0:with out TEC 1:with TEC	10:10mW	-	SM MM	1: SC/PC 2: SC/APC 3: SC/UPC 4: FC/PC 5: FC/APC 6: FC/UPC 7: LC/PC 8: LC/APC	-	60: TO 60 56: TO 56 46: TO 46	00: FPC 08: 8mm 14: 14mm
LTPC	XX	-	1	02	-	SM	5	-	60	XX