

10G FP TOSA with LC Receptacle

PRELIMINARY

Preliminary Data

The **10G FP TOSA with LC Receptacle** is an optical component with a high-performance ridge waveguide (RWG) Fabry-Pérot laser chip. The laser emits at 1310 nm wavelength and has been designed for optical communications networks operating at up to 10 Gb/s.

The optical component is with flexible printed circuit board compliant XMD-MSA and LC single mode receptacle.



Features

- 1310nm FP laser diode transmission
- With Integrated Monitor photo Diode
- Single-mode receptacle, Simplex LC Connector
- XMD-MSA (LC) compliant package with flexible printed circuit (Flex Board)
- Optionally with Pigtail
- RoHS-6 Compliant and Lead Free
- -25 to 85°C Operating case temperature
- Class 3B laser product
- Hermetically sealed TO-CAN Compliant with GR-468 reliability standards

General Applications

- SONET/SDH OC-192/SMT-64
- 10 Gigabit Ethernet Transceivers
- 10G Fiber Channel

Technical Data
Absolute Maximum Ratings

Parameter	Symbol	Limit Values		Unit
		Min.	Max.	

TOSA

Operating case temperature range	T_{case}	-40	85	°C
Storage temperature range	T_{stg}	-40	85	°C
Soldering temperature ($t_{max} = 10$ s)	T_S		260	°C

Laser Diode 1310nm

Direct forward current	$I_{F max}$		200	mA
Reverse voltage	V_R		2	V

Monitor Diode

Reverse voltage	V_R		10	V
Forward current	I_F		2	mA

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