



2.5Gb/s External Optical Intensity Modulator



Features

- Low Insertion loss
- Separate Bias Electrode for Long-term Bias Stability
- High Modulation on/off Extinction Ratio
- Telcordia GR-468 Compliant
- C & L Band Operation

Applications

- 2.5Gbit/s Metro- and Long-Haul Transmission System
- 2.5Gbit/s TDM and WDM Transmission System

Performance Specifications

	Parameter	Values
Optical	Operating Wavelength (nm)	1525-1605
	Maximum Inout Power (mW)	100
	Insertion Loss (dB)	≤4.5
	Extinction Ratio (DC) (dB)	≥20
	Optical Return Loss (dB)	≥50
Electrical	S21 Electro Optic Bandwidth (-3dB) (GHz)	≥3
	S11 Return Loss (dB)	≥10
	RF V_{π} @ DC (V)	≤4.0
	Bias V_{π} @ 1kHz (V)	≤3.7
	RF Input Power (dBm)	≤24
Mechanical	Input Fiber	PM, 0.9mmØ
	Output Fiber	PM or SMF, 0.9mmØ
	Fiber Style	900um Jacket
	RF Connectors	3 Pins or SMA
	Bias Connectors	3 Pins
	Package Dimensions (mm)	L70xW12.5H8
Environmental	Operating Temperature (°C)	0~+70
	Storage Temperature (°C)	-40~+85

Specifications may change without notice.

Ordering Information

LNPM	□□	□□□□□	□	□	□□
	Wavelength	Modulation Speed	Input Fiber Type	Output Fiber Type	In/Out Connector
	CL=1525-1605	02500=2.5 Gb/s	1=PM 1500 Panda	1=PM 1500 Panda 2=SMF-28	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC

Dimensions

