



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 systems
- 2.5Gbit/s TDM and WDM transmission systems

Performance Specifications

Parameter		Values
Optical	Operating Wavelength (nm)	1525-1605
	Maximum Input Power (mW)	100
	Insertion Loss (dB)	≤ 4.5
	Extinction Ratio (DC) (dB)	≥ 20
	Optical Return Loss (dB)	≥ 50
Electrical	S21 Electro Optic Bandwidth (-3 dBe) (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, 0.9mm Φ
	Output Fiber	PM or SMF, 0.9mm Φ
	Fiber Length (m)	0.7 minimum
	RF Connectors	3 Pins or SMA
	Bias Connectors	3 Pins
	Package Dimensions (mm)	L70xW10xH8
Environmental	Operating Temperature (°C)	0 ~ +70
	Storage Temperature (°C)	-40 ~ +85

Specifications may change without notice

Ordering Information

LNPM	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
	Wavelength	Modulation Speed	Fiber Type (Input)	Fiber Type (Output)	In/Out Connector	Electrical Connector
	15=1525-1605	02500=2.5Gb/s	1=900um PM (PANDA)	1=900um PM (PANDA) 2=SMF-28 w/900 um Jacket	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC	S=SMA P=3-pin

Dimensions

