



10Gb/s External Optical Intensity Modulator



Features

- Low Insertion Loss Provides Long Transmission Span
- Separate Bias Electrode for Long-Term Stability and Reliability
- High Modulator on/off Extinction Ratio
- Low Drive Voltage Compatible With Commercial Drivers
- Meet Telcordia GR-468-CORE

Applications

- 10Gb/s High Speed Transmit Equipment
- TDM and WDM 10Gb/s Transmission System

Optical and Electrical Specifications (23°C)

	Parameter	Values
Optical	Operating Wavelength (nm)	1550±20
	Maximum Inout Optical Power (mW)	=200(APE process) =50(Ti process)
	Insertion Loss (dB)	≤4.0
	Extinction Ratio (DC) (dB)	≥20
	Optical Return Loss (dB)	≤45
	Electro-Optical Bandwidth (-3dB) (GHz)	≥8
Electrical	Return Loss (dB)	≤-10
	V_{π} @ RF (V)	≤5.0
	V_{π} @ Bias (V)	≤8.0
Mechanical	Input Fiber Type	PM Fiber
	Output Fiber Type	SM/PM Fiber
	RF Connectors	SMA
	Bias Connectors	3 Pins
	Package Dimensions (mm)	L70xW12.5xH8
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
	15=1550	10000=10Gb/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

