

10Gb/s External Optical Intensity Modulator



Key Features

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

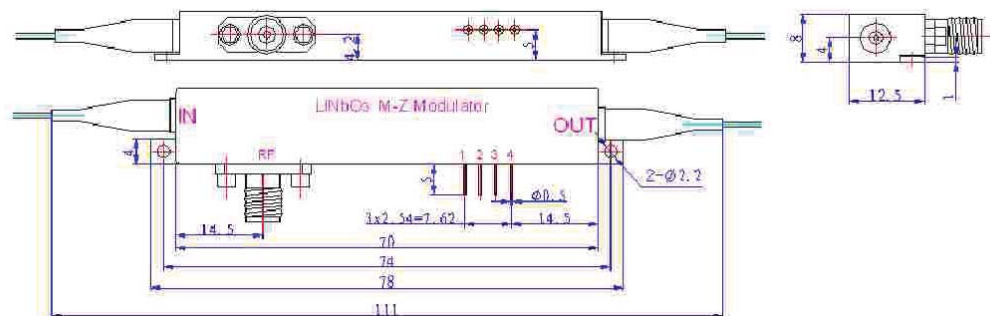
Applications

- 10Gb/s High Speed Transmission Equipment
- 10Gbit/s TDM and WDM Transmission Systems

Performance Specifications

Parameter		Specifications
Optical	Operating Wavelength	1550 ± 20nm
	Input Power (Max.)	=200(APE process) =50(Ti process)
	Insertion Loss	≤ 4.0dB
	Extinction Ratio (DC)	≥ 20dB
	Optical Return Loss	≤ -45dB
Electrical	S21 Electro Optic Bandwidth (-3 dBe)	≥ 8Ghz
	S11 Return Loss	≤ -10dB
	V _π @RF	≤ 5.0V
	V _π @Bias	≤ 8.0V
Mechanical	Input Fiber	PM Fiber
	Output Fiber	SM/PM Fiber
	RF Connectors	SMA
	Bias Connectors	3 Pins
	Package Dimensions	L70mm x W12.5mm x H8.0mm
Environmental	Operating Temperature	0 to +70°C
	Storage Temperature	-40 to +85°C

Mechanical Dimensions



Ordering Information

LNIM	Wavelength	Modulation Speed	Fiber Type (Input)	Fiber Type (Output)	In/Out Connector
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