

## 2.5Gb/s External Optical Intensity Modulator



### Key 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

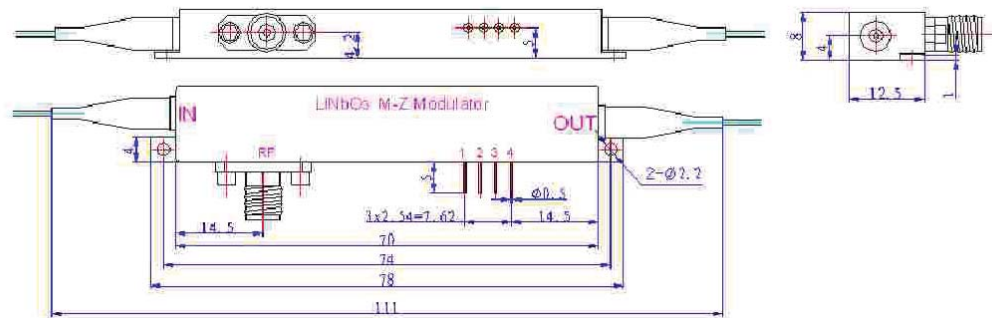
### Applications

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

### Performance Specifications

Parameter		Specifications
<b>Optical</b>	Operating Wavelength	1525nm to 1605nm
	Input Power (Max.)	100mW
	Insertion Loss	≤ 4.5dB
	Extinction Ratio (DC)	≥ 20dB
	Optical Return Loss	≥ 50dB
<b>Electrical</b>	S21 Electro Optic Bandwidth (-3 dBe)	≥ 3GHz
	S11 Return Loss	≥ 10dB
	RF $V_{\pi}$ @ DC	≤ 4.0V
	Bias $V_{\pi}$ @ 1kHz	≤ 3.7V
	RF Input Power	≤ 2.4dBm
<b>Mechanical</b>	Input Fiber	PM, 0.9mmF
	Output Fiber	PM or SMF, 0.9mmF
	Fiber Style	900um Jacket
	RF Connectors	3 Pins or SMA
	Bias Connectors	3 Pins
	Package Dimensions	L70mm x W12.5mm x H8.0mm
<b>Environmental</b>	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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