



Equipment

- ASE, SLED Sources
- FBG Sensor
- Fiber Laser Sources
- Optical Fiber Amplifiers
- RFoG, HFC, CATV
- Transmitters / Receivers

Components

- DWDM Mux, Add/Drop
- Laser Diodes
- Optical Modulators, VOA
- Passive Components
- Photodiodes / Receivers
- Tunable Filters / Switches
- WDM, Optical Filters

Accessories

- Fiber Patchcords / Adaptors
- HDMI Cables
- RF Cables
- SFP, XFP

Instruments, Tools

- Electronics, RF, Microwave
- Laser Optical Networks
- Photonics Components
- Production Tools

You are at OEQuest : Components : Optical Modulators, VOA : Optical Modulators, Intensity : Intensity Modulator, 10 GHz, FC/UPC Connectors

Intensity Modulator, 10 GHz, FC/UPC Connectors



The Lucent 2623-NA 10Gb/s Electro-Optic Modulator is designed for long-wavelength, single-mode external amplitude modulation applications. It uses an integrated Mach-Zender configuration to convert single polarization CW light from a semiconductor (DFB) laser into a time-varying optical output signal. The 2623NA offer the following features:

- PM Input Fiber (Panda)
- SM Output Fiber
- 10Gb/s Modulation Bandwidth
- Integrated Attenuator with 30dB On/Off Ratio
- Fully tested, 1-year warranty

Downloadable PDF Datasheets:

- [Lucent / Agere 2623-Type Modulator Datasheet](#)
- [Modulator Application Note](#)
- [Sample Modulator Test Data](#)

- Manufacturer: [Lucent](#)
- Part Number: 2623NA
- Shipping Weight: 1.00 lbs
- Lead Time: In Stock

Base Price: **\$395.00**

Quantity

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Technical Specifications

Model Number	2623NA
Substrate Material	Lithium Niobate (LiNb ₃)

Manufacturers	Crystal Orientation	X-CTU, Y-Propagating
	Waveguide Process	Titanium Indiffused (TI)
	Integrated Attenuator	Yes
Optical Specifications		
	Operating Wavelength Range	1525-1610nm
	Insertion Loss	4.5dB Typical, 5.5dB Maximum
	On/Off Extinction Ratio	25dB Typical @ DC
	Optical Return Loss	45dB Minimum
	Polarization Extinction Ratio	20dB Typical
Electrical Specifications		
RF/Bias Port		
	Drive Voltage V _{pi}	3.1V Typical @ DC; 6.5V Typical @ 10Gb/s
	Electro-optic Bandwidth	10GHz Minimum @ -3dB
	RF Return Loss	10dB Minimum from 0.13 GHz to 12GHz
	RF Input Power	24dBm
	RF Impedance	43 Ohm
	Chirp, Alpha Parameter	Zero Chirp, ±0.2 Maximum
Attenuator Port		
	Voltage for Maximum Attenuation	20V Typical
	Electro-optic Bandwidth (-3dB)	200MHz Minimum
	Input Impedance	1 MOhm Minimum
Environment / User Interface		
	Input Fiber	PANDA - 900 Micron Loose Tube
	Output Fiber	SMF28
	Input Connector	FC/PC
	Output Connector	FC/PC
	RF Connector	SMA
	Attenuator Connector	2 Pins
	Dimensions	118mm(L) x 15mm(W) x 10mm(H)
	Operating Temperature Range	0°C to +70°C
	Storage Temperature Range	-40°C to -80°C

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