

Indian Institute of Technology, Kanpur
Department of Physics

Enquiry no.: IITK/PHY/264-1

Enquiry date: 01.01.2013

Closing date: 8.01.2013

Sealed quotations are invited for:

A Fiber-Based Lithium Niobate Optical *Intensity* Modulator and

A Fiber-Based Lithium Niobate Optical *Phase* Modulator

1. Fiber-Based Lithium Niobate Optical *Intensity* Modulator Qty. 01
Specifications:

Operating Wavelength	780 nm
Insertion Loss	< 4.5 dB
Bandwidth:	20 GHz (with no response dips)
Modulation Port ($V\pi$)	< 3 Volts
DC Bias Port $V\pi$	< 4 volts
S11 (0.13 to 16 GHz)	< -10 dB
Optical Null Depth (@DC)	18 dB
Optical Return Loss	45 dB
RF Port	Female 2.92 connector (K & SMA compatible)
Input Fiber	PM, ~1 meter long (5um core PANDA with 900um Hytel loose tube)
Output Fiber	PM, ~1 meter long (5um core PANDA with 900um Hytel loose tube)
Optical Connectors	FC/APC (Slow axis aligned to the narrow key)

2. Fiber-Based Lithium Niobate Optical *Phase* Modulator Qty. 01
Specifications:

Operating Wavelength	780 nm
Insertion Loss	< 4.5 dB
Bandwidth:	20 GHz (with no response dips)
Modulation Port ($V\pi$)	< 3 Volts
DC Bias Port $V\pi$	< 4 volts
S11 (0.13 to 16 GHz)	< -10 dB
Optical Null Depth (@DC)	18 dB
Optical Return Loss	45 dB

RF Port	Female 2.92 connector (K & SMA compatible)
Input Fiber	PM, ~1 meter long (5um core PANDA with 900um Hytrel loose tube)
Output Fiber	PM, ~1 meter long (5um core PANDA with 900um Hytrel loose tube)
Optical Connectors	FC/APC (Slow axis aligned to the narrow key)

Terms and conditions:

Quote should be made in two parts: Technical bid and Financial bid separately in sealed envelopes.

Financial bids for the product whose technical bid is not acceptable will not be opened. Any quote with the financial bid included in the technical bid will be summarily rejected.

The sealed envelopes with the quotes should be superscribed with the Inquiry number and whether it is a technical or financial bid.

The delivery period should be specifically stated.

Quotes should be made options for the either of the following delivery modes

- Ex-works for pickup by our world-wide transport provider
- FOB in country of origin
- CIF, New Delhi
- For delivery to IIT Kanpur

Maximum educational discounts should be applied – this equipment will be used for research as well as teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to:

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