

JENOPTIK Optical Systems GmbH, D-07739 Jena

Ms. Clarice Aiello Company Quantum Energineering Group @ MIT PO Box 26-313 CAMBRIDGE MA 02139 USA Besuchsadresse/Visitor address: Göschwitzer Str. 25 D-07745 Jena-Göschwitz

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Number: 2131111677

Cust.no.: 115577

Date: 2011/11/24

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Our VAT no.: DE811846020

This document comprises 3 pages.

Quotation

Your ref.:

Request for Quotatio

dated:

2011/11/24

Dear Ms. Aiello

Thank you very much for your request. We are pleased to submit our following offer.

In all other respect our attached General Terms of Sale shall apply, published on our website http://www.jenoptik.com/Terms-and-Conditions

Item	Material Description	Price in EUR	Price unit	Qty	Value in EUR		
10	014104-516-24 Amplitude modulator Central wavelength: Opt. bandwidth: +/ Half wave voltage (@ Insertion loss:	532 nm - 10nm 1 kHz): < 3V app. 7 dB	1 PCE	1 PCS	4,750.00		
	Modulation Frequency: 100 Hz to 1 GHz (sinus) Rise time 10/90: app. 1 ns Extinction (dc): > 23 dB Maximum optical input power: 10 mW cw Fibers: 1 m PM fiber at input and output						
	Fiber Connectors: Polarization (Fiber) dresse: JENOPTIK AG, 07739 Jena			chäftsführer:			

Scheckadresse: JENOPTIK AG, 07739 Jena Deutsche Bank Jena BLZ 820 700 00 Konto 399 763 200 Dresdner Bank Jena BLZ 820 800 00 Konto 344 541 000

WEEE-Reg.- Nr. DE 27226230 Commerzbank Jena BLZ 820 400 00 Konto 259 992 600 Bayerische Hypo-und Vereinsbank AG BLZ 830 200 87 Konto 4 157 613 Geschäftsführer: Dr. Dirk Michael Rothweiler Dr. Stefan Stenzel Sitz der Gesellschaft: Jena HRB 205.579 (AG Jena)



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Item	Material Description	Price in EUR	Price unit	Qty	Value in EUR		
	Polarization (Chip): Electrical connection:		onnector				
	Price: 1 piece 4750 Euro 10% university discount = price 4275 Euro						
20	99300 3,150.00 1 PCE 1 PCS 3,150.00 TTL driver 1 ns For generation of light pulses of app. 1 ns or edges of app. 1 ns with modulators AMXXX, OEM module input: TTL (BNC 50 Ohm) output to modulator: -2,5 5 V (SMA 50 Ohm), no operation point stabilisation Max. trigger frequency: 20 MHz Electrical rise time: app. 1 ns, fixed Power supply: (100-240V, 50-60Hz), incl. cables						
	Price per piece 3150 Euro 10% university discount = price 2835 Euro						

To all prices valid V.A.T. has to be added.

Terms of delivery INCOTERMS ® 2010: FCA Jena Delivery time: 8 weeks after receipt of your order.

The delivery date stipulated in our order confirmation is valid.

Terms of payment:

Within 30 days without deduction

This quotation will be valid until 2012/01/24 according to the mentioned conditions. Any alteration or supplement has to be in written form.



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We hope this quotation corresponds to your request.

In case you need more information please call Mr Dr. Ruske +493641 654530.

Yours sincerely

JENOPTIK Optical Systems GmbH

Sales Manager

Sales

Enclosure: General Terms of Sale