

Fiber-Components

- How to work with fiber modulators:

- english:

Modulatorfiber_english

- german:

Modulatorfiber_german

Fiber AOM

Company: [AMS Technologies AG](#), [Gooch & Housego Torquay](#)



RF power: 0.4 W. Absolute maximum rating. Higher power will cause damage.

- Typ: SFO4504-T-M080-0.5C8J-3-F2P
- Fiber-coupled acousto-optic modulator, model Fibre-Q
<http://www.amstechnologies.com/products/optical-technologies/components/optics/acousto-optics/view/fibre-coupled-acousto-optic-modulators/>
 - Material: Amtir
 - Wavelength: 1550 nm
 - Operation frequency: +80 MHz
 - Polarisation maintaining fiber
 - Fibre length: 0.3M
 - Gibre-connector: FC/APC
 - Datasheet:
 - from AMS technologies: Datasheet_Fiber-AOM-G&HT_AMS
 - from G&HT internetside: Datasheet_Fiber-AOM-G&HT_G&HT
 - Testreport: Fiber-AOM-Testreport-G&H

Company: [Laser2000](#), [Brimrose](#)



RF power: <0.5 W. Absolute maximum rating. Higher power will cause damage.

- Typ: BRI-AMF-80-4-1550-2FP-FC/APC-0.3
- Fiber-coupled acousto-optic modulator,
 - Material: Amtir
 - Wavelength: 1550 nm

- Operation frequency: +80 MHz
- Polarisation maintaining fiber
- Fibre length: 0.3M
- Gibre-connector: FC/APC
- Datasheet:

Datasheet_Fiber-AOM-Brimerose

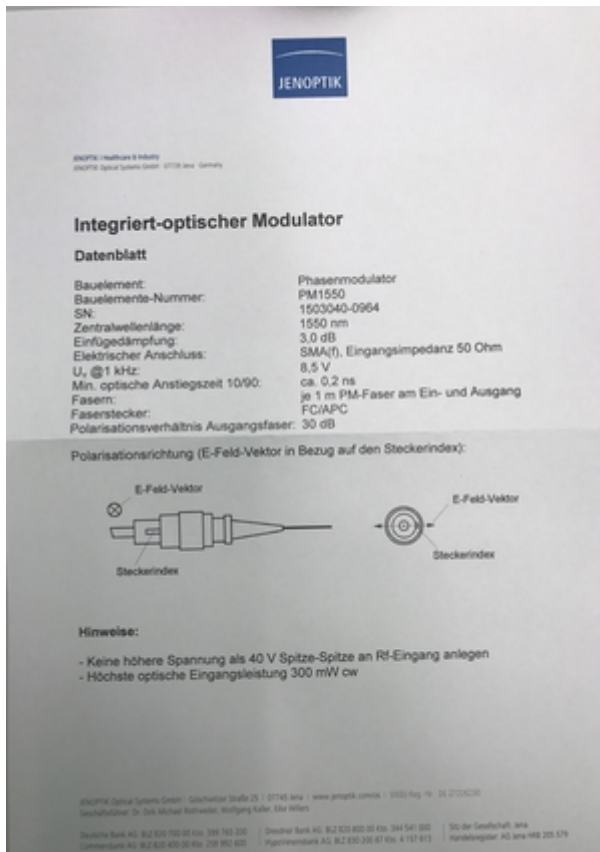
Fiber EOM

Company: [Jenoptik](#)



Do not apply voltages higher than 40V peak-peak to RF input.

- Typ: PM1550
 - Center wavelength: 1550 nm
 - Insertion loss: 3.0 dB
 - Electronic connector: SMA, Inputimpedanz: 50 Ohm
 - U_pi@1kHz: 8.5 V
 - Fiber-typ: PM
 - Fiber-connector: FC/APC
 - Fiber length: 1m
 - Crystall: Lithiumniobat ([Info_crystall](#))
 - Max optical input power: 300mW cw
- Datasheet:
 - german: [Datasheet Fiber-Eom_german](#)
 - english: [Datasheet Fiber-Eom_english](#)
 - supplied:



Fiber FRM

Company: [Laser2000](#), [General Photonics](#)

- Typ: NFRM-15-FCA
 - Operating Wavelength: 1550 nm
 - Operating Bandwidth: ± 50 nm
 - Insertion Loss:
 - typical: 0.3 dB
 - max: 0.5 dB
 - Faraday Rotation Angle: 90 degrees
 - Rotation Angle Tolerance (Center Wavelength at 23 °C): ± 1 degree
 - Rotation Angle Wavelength Dependence: ± 0.12 degree/nm
 - Rotation Angle Temperature Dependence: ± 0.12 degree/°C
 - Reflection Polarization Dependence: 0.5% max.
 - Optical Power Handling: 300 mW min.
 - Operating Temperature 0 to 70 °C
 - Storage Temperature: -40 to 85 °C
 - Fiber Type: SMF-28
 - Dimensions: $\varnothing 9.5 \times 50$ mm (NoTail)
- Datasheet:

frm.pdf

Fiber Coupler

50/50

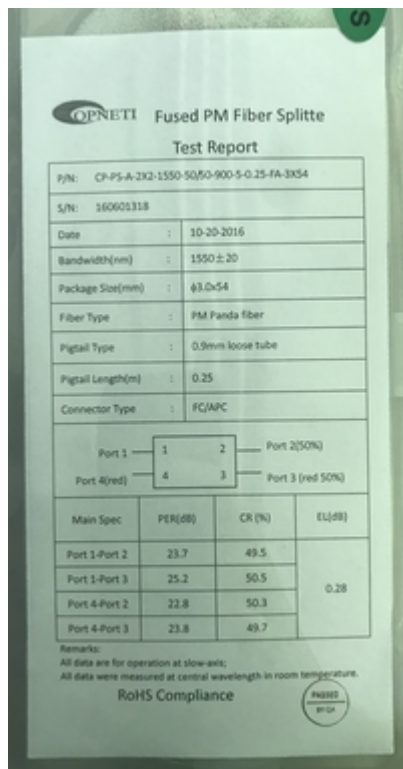
Company: [Opneti](#)

- Typ: CS-PS-A-2x2-1550-50/50-900-5-0.25-FA-3x54
 - Type: PS=PM Fused Coupler
 - Grade: A=Grade
 - Port Type: 2x2
 - Wavelength: 1550
 - Coupling Ratio: 50/50
 - Pigtail Type: 900=900um Loose Tube
 - Fiber Type: 5=Panda Fiber
 - Length: 0.25m
 - Connector: FA=FC/APC
 - Package: $\phi 3.0 \times 54$

- Datasheet:

Datasheet Fiber-coupler_50/50_Opneti

- Test report:



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