

MT10-IIR25-3FIO

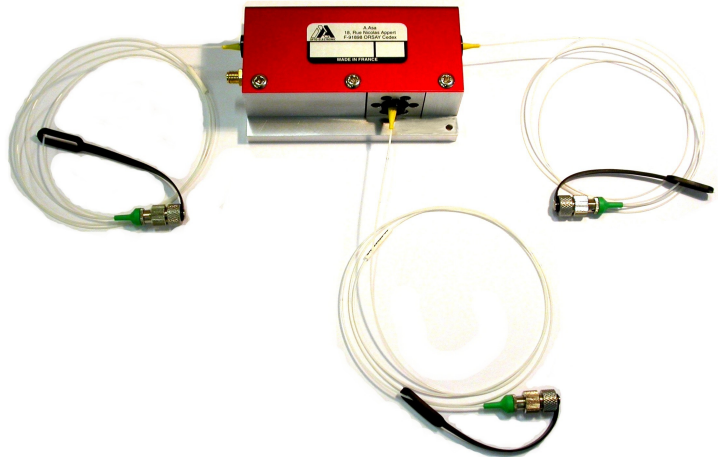
Fiber pigtailed AO

Fiber pigtailed 3 ports AO for 1550 nm

- 1550 nm
- Single mode SM or Polarization Maintaining PM Fibers
- 0 & 1st orders fiber pigtailed

This fiber pigtailed modulator is a fast modulator dedicated to IR lasers such as 1530, 1550 (1310) nm.

Fiber is a single mode fiber or polarization maintaining. Both outputs 0 and first order are fiber pigtailed.

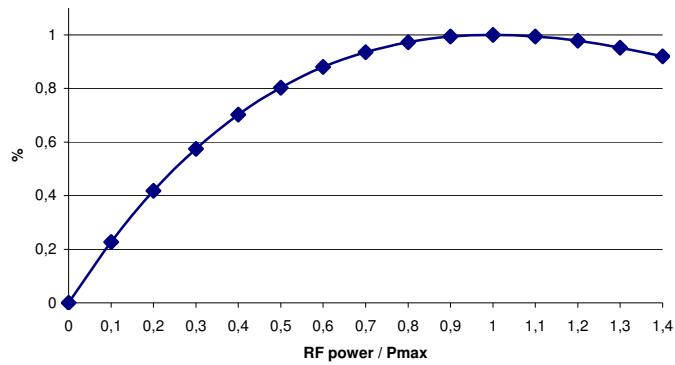


Specifications – 3 ports

Material	TeO ₂ [L]
Optical Wavelength range	Optimized for a Single wavelength in 1500 to 1600 nm
Input Light polarization	Linear with Option PM fiber / Random with Option SM fiber
Output Light polarization	Linear with Option PM fiber / Random with Option SM fiber
Polarization dependence losses	< 0.5 dB
AO Light Frequency shift	« +1 » order : + 110 MHz
Total Insertion losses ¹	Order 1 = Nom 3 dB, < 4 dB Order 0 = Nom 2 dB, < 2.5 dB
Rise/Fall time	≤ 25 ns
Extinction ratio	Order 1 = Nom 50 dB, > 45 dB Order 0 = > 10 dB
Fiber type	Single mode (SMF-28, dia 900µm), Polarization Maintaining
Fiber connectors	FC/APC (On request FC/PC)
Pigtail length	Nominal 1 m
Max accepted laser power	0.5 or 5 watts
Max accepted RF Power	2.2 W
Electrical impedance	50 Ohms
VSWR	< 1.2/1
Size	100 x 65 x 37 mm ³
Operating Temperature	10 to 40 °C

¹ including transmission through the crystal, diffraction efficiency and coupling losses

Relative Diffraction Efficiency vs RF Power



MT110-IIR25-3FIO-SM-5

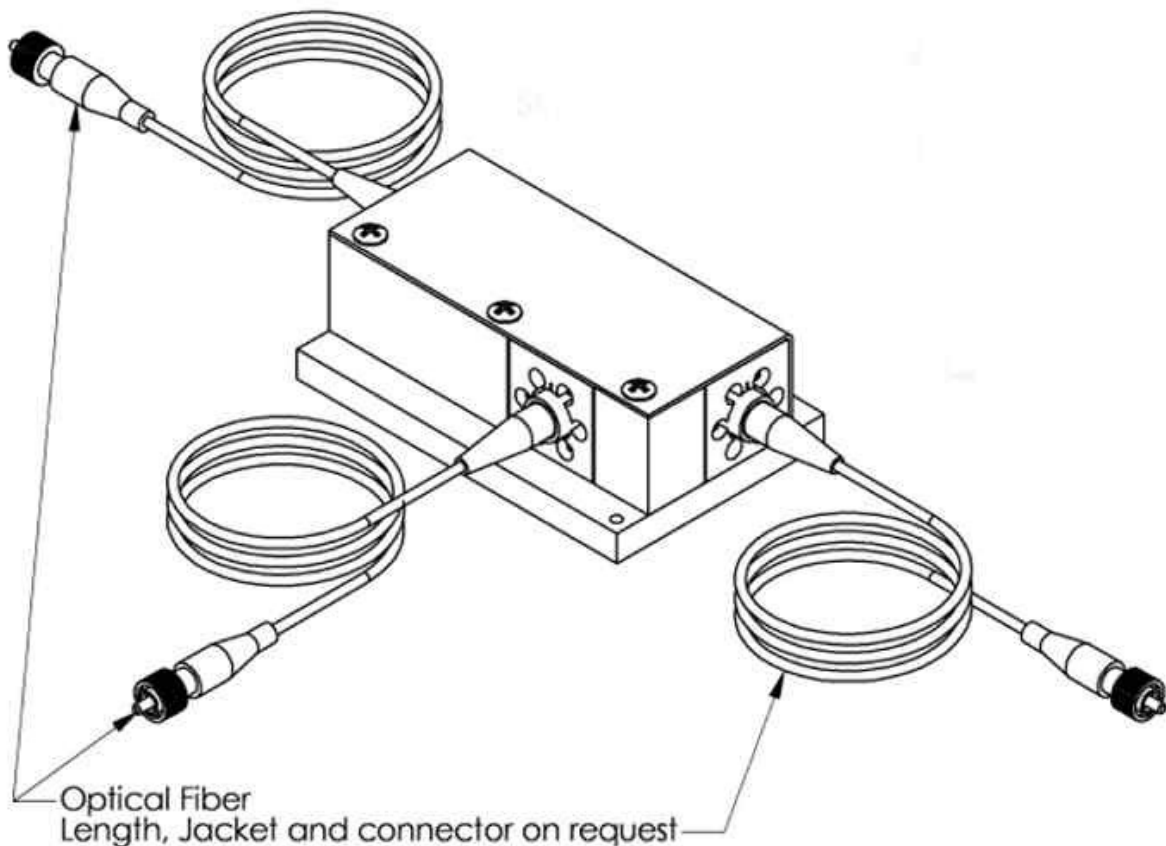
SM or PM : Single mode or Polarization Maintaining fibers

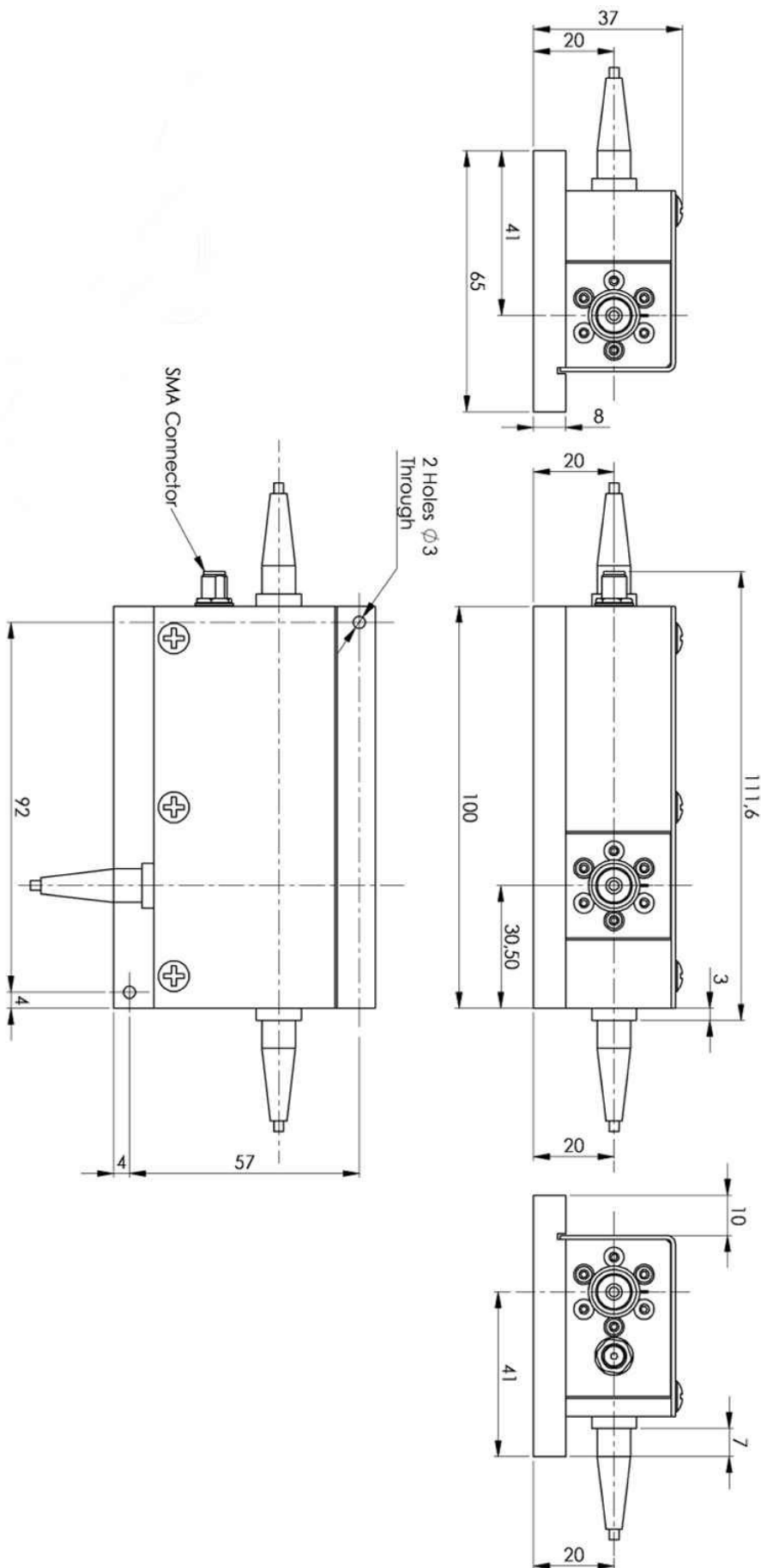
IR : wavelength nm

5 : Acceptable laser power 0.5 or 5 watts

Outline Drawing

sizes in mm





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