

AO Modulator

M200-2J-F2S

Features

- 1550nm fiber-coupled
- 10ns rise-time
- 200MHz frequency shift



Description

A telecom compatible fiber-coupled acousto-optic modulator ideal for fiber test applications especially in conjunction with erbium doped fiber amplifiers (EDFA's). The fastest, most compact fibre-coupled AO modulator in its range, complete with pig-tails for splicing or FC / APC connectors. Providing a cost effective solution where rapid optical switching is required. Dual digital / analogue RF drivers are also available.

Specification

Interaction Material	Tellurium Dioxide
Acoustic Mode	Isotropic, compressional
Wavelength	1550nm
Polarization Dependant Loss	< 0.5dB
Polarization Mode Dispersion	< 4ps
Insertion Loss	< 8dB
Extinction Ratio (1 st order on/off)	> 45dB
Rise-Time / Fall-Time	10ns
Frequency	200MHz
VSWR	< 1.2:1 (50~ input impedance)
RF Power	2.0W
Frequency Shift	-200MHz, down shift
Fiber Type	Single mode, 2m
Fiber Connectors	FC / PC, Seiko-Geiken

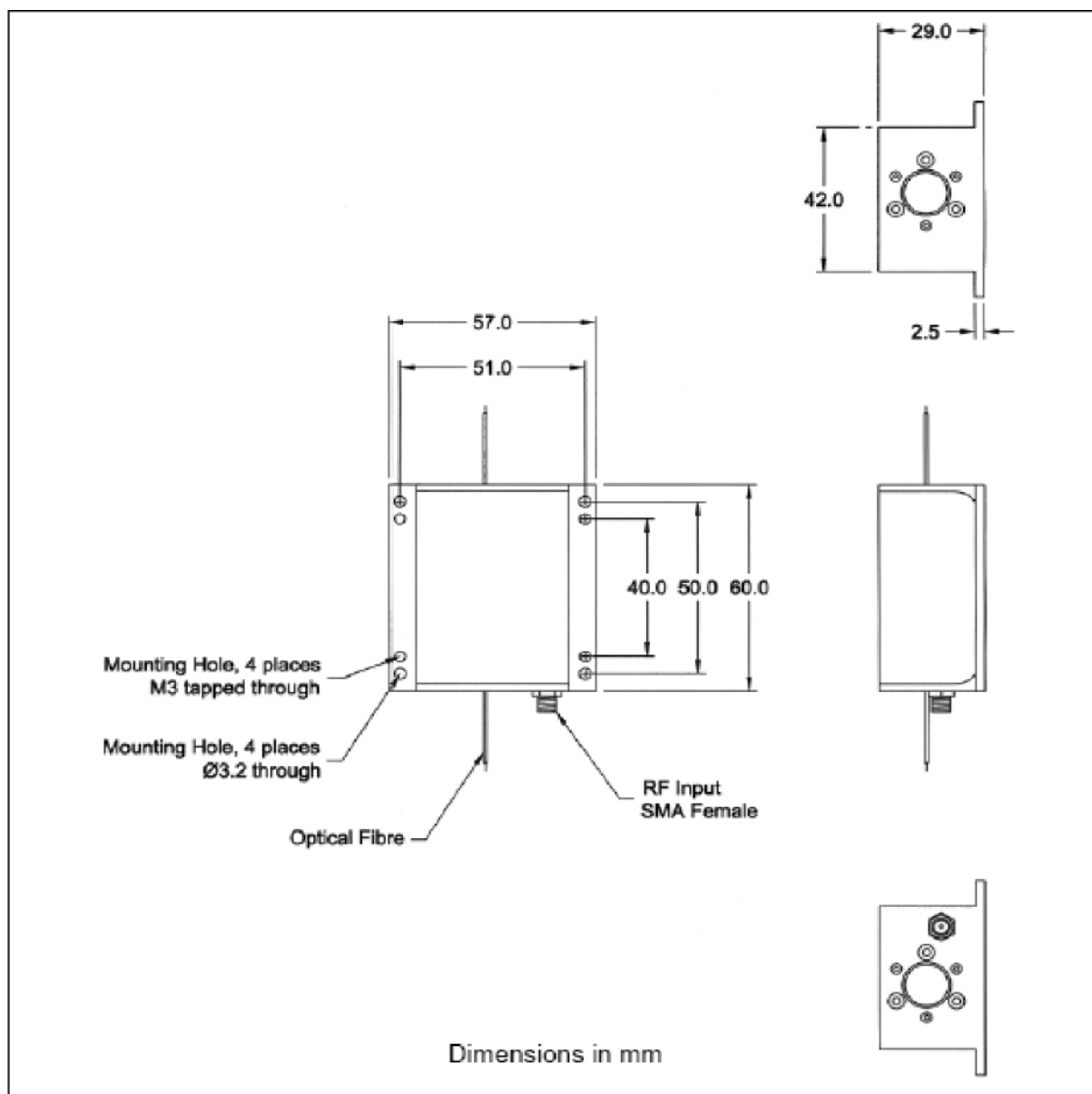
Options

Wavelength	1520 to 1580nm
Frequency Shift	+ 200MHz, up shift
Fiber Type	Polarization maintaining, multimode
Fiber Connectors	Pig-tails for splicing, FC / APC

Driver Selection

Digital / Analogue Modulation: A341

Mechanical Dimensions



Technical Assistance & Customization

A team of scientists are available to discuss your special requirements and to assist in selecting the most appropriate acousto-optic device / RF driver combination. We customize products for OEM's.