AO Modulator M040-8J-FxS

Features

- 1550nm fibre coupled
- 40MHz frequency shift, 110ns rise-time
- Polarisation insensitive with no PMD

Description

A fibre-coupled acousto-optic modulator and frequency shifter for use in telecommunications. Optimised for low insertion loss at 1550nm, the use of chalcogenide glass provides essentially no polarisation sensitive loss or polarization mode dispersion. Very high extinction ratio and rise-time make this device suitable for all-optical switching and re-routing applications. In addition to the two fibre version, a three fibre model allows both zero and first order output beams to be utilised.

Specification

Interaction Material:		Chalcogenide Glass
Wavelength:		1550nm
Polarisation Dependant Loss:		None
Polarisation Mode Dispersion:		None
Insertion Loss:	M040-8J-F2S	< 2.4dB (first order)
	M040-8J-F3S	< 3.0dB (zero and first order)
Extinction Ratio (1st order on/off):		> 50dB
Rise-Time / Fall-Time:		110ns
Frequency:		40MHz
VSWR:		< 1.2:1 (50Ω input impedance)
RF Power:		0.2W typical
Frequency Shift:		-40MHz, down shift
Fiber Type:		Single mode, 2m
Fibre Connectors:		FC / PC, Seiko-Geiken

Options

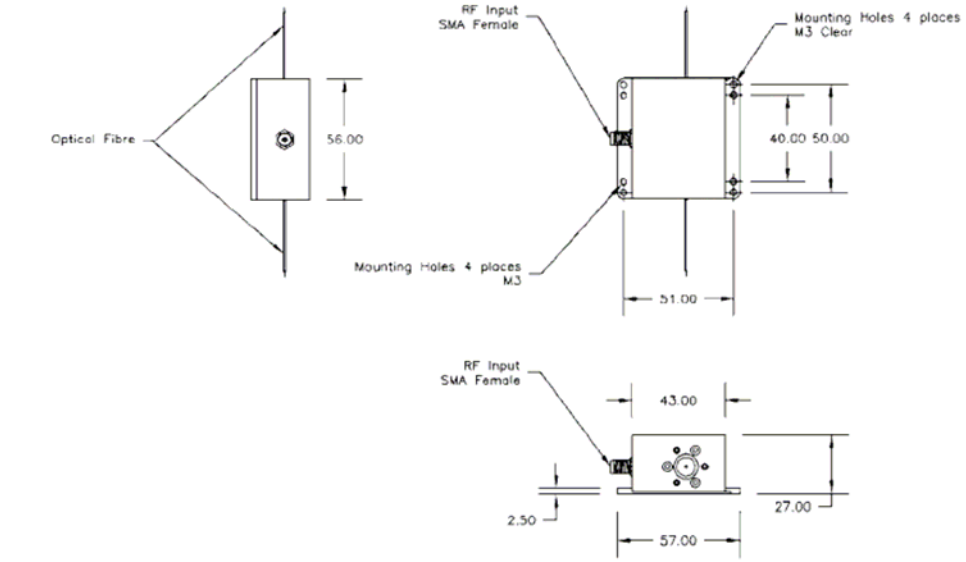
Wavelength:	1310nm, 1520 to 1580nm
Frequency Shift:	+40MHz, up shift
Fibre Type:	Polarisation maintaining, multimode
Fibre Connectors:	Pig-tails for splicing, FC / APC

北京市海淀区中关村大街 11 号 100080 Tel: 010-68470780 Fax: 010-68470783
网址：www.conquer-oc.com

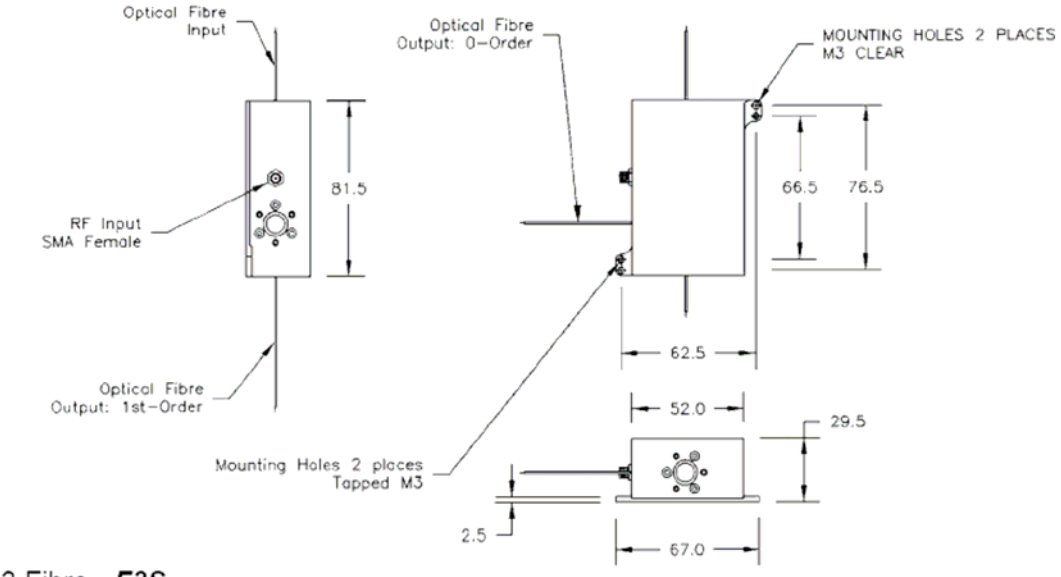
Driver Selection

Digital Modulation:	A118
Analogue Modulation:	A025

Mechanical Dimensions



2 Fibre - ***F2S***



3 Fibre - ***F3S***

Dimensions in mm