

AO Modulator

M111-2J-FxS

Features

- 1550nm fibre-coupled
- As fast as 25ns rise-time
- 111MHz frequency shift



Description

A fibre-coupled acousto-optic modulator suitable for use in telecommunications applications. Designed to provide the highest bandwidth all-optical switching available, it also exhibits excellent extinction ratio and low polarisation sensitivity. In addition to the two fibre version, a three fibre model allows both zero and first order output beams to be utilised. Other options include a choice of operating wavelengths and fibre connectors.

Specification

Interaction Material:	Tellurium Dioxide
Acoustic Mode:	Isotropic, compressional
Wavelength:	1550nm
Polarisation Dependant Loss:	<0.5dB
Polarisation Mode Dispersion:	< 4ps (2 fibre), < 8ps (3 fibre)
Insertion Loss:	< 3.0dB
Extinction Ratio (1st order on/off):	> 50dB
Rise-Time / Fall-Time:	25ns (2 fibre), 65ns (3 fibre)
Frequency:	111MHz
VSWR:	< 1.2:1 (50Ω input impedance)
RF Power:	3.0W
Frequency Shift:	-111MHz, down shift
Fibre Type:	Single mode, 2m
Fibre Connectors:	FC / PC, Seiko-Geiken

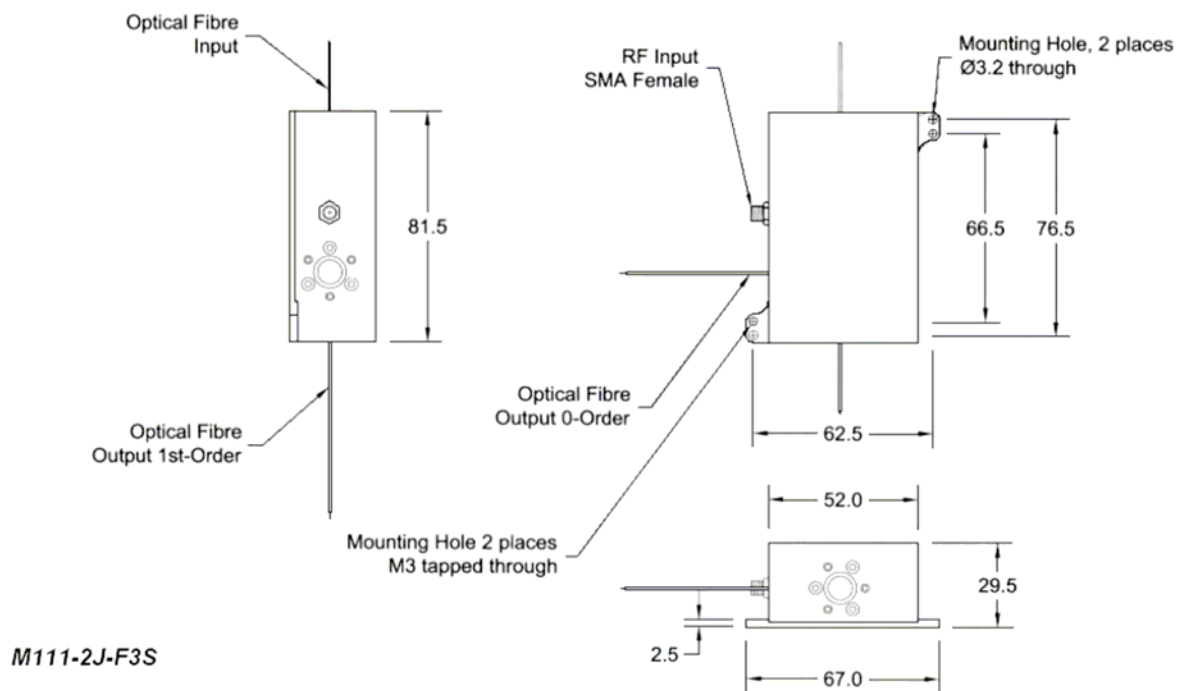
Options

Wavelength:	1310nm, 1520 to 1580nm
Frequency Shift:	+111MHz, up shift
Fibre Type:	Polarisation maintaining, multimode
Fibre Connectors:	Pig-tails for splicing, FC / APC

Driver Selection

Digital& Analogue Modulation:	A344
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Mechanical Dimensions



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