Gooch & Housego
ENABLING PHOTONIC TECHNOLOGIES

FIBER-Q®, VISIBLE WAVELENGTH

633 nm Fiber Coupled Acousto-Optic Modulator

S-M200-0.4C2E-3-F2S/S-M200-0.4C2E-3-F2P[1]

Gooch & Housego specialize in providing optical components for high power fiber laser and amplifier systems.

In house control of critical manufacturing processes, from crystalline material selection and orientation, cutting, polishing and anti-reflection coating through to fiber coupling, ensure our components are of the highest optical quality.

In addition to the standard product shown, custom configurations are available for specialized applications.

Key Features

- Low insertion loss
- Compact, low profile package
- Sealed to IP54 (dust/splash proof, non-hermetic)
- Stable performance
- Custom configurations available

Applications

- Biomedical
- Optical sensing
- Pulse picker

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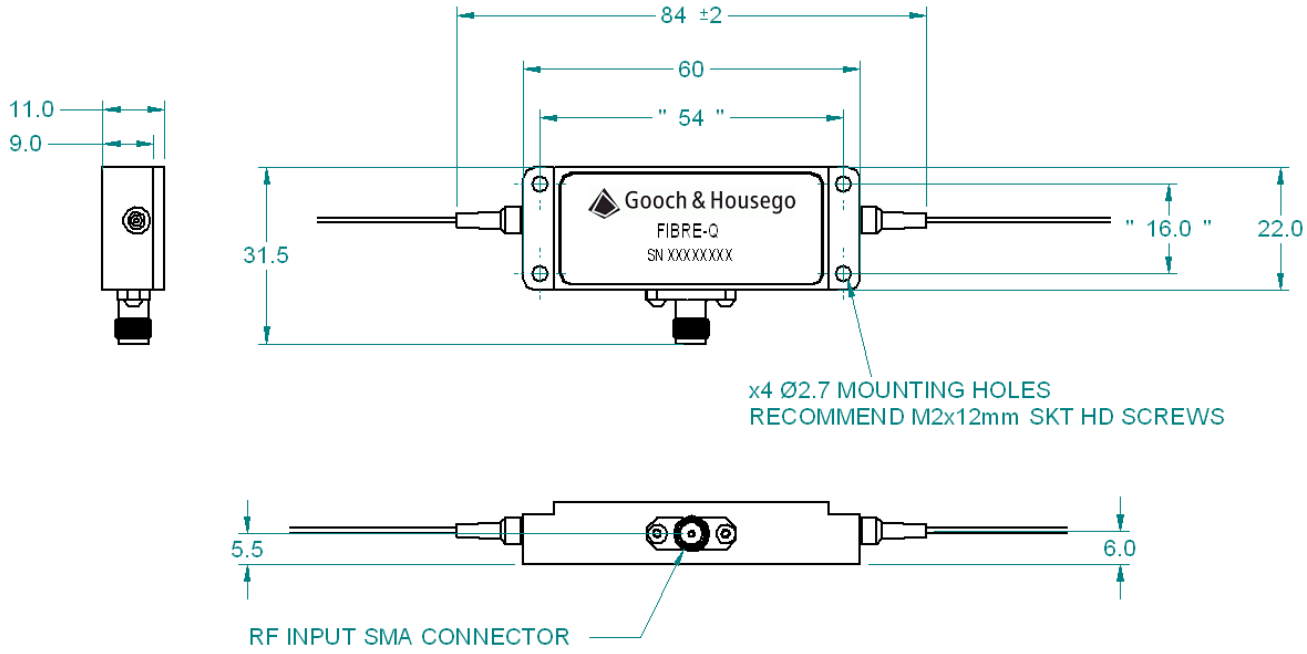
General Specifications

Parameter	Min	Max	Typical	Comments
Interaction material	-	-	-	Tellurium dioxide
Wavelength	-	-	633 nm	
Average optical power handling	-	0.1 W	-	
Insertion loss	-	2.5 dB	-	
Polarization dependent loss	-	0.5 dB	0.2 dB	
Polarization extinction ratio[1]	15 dB	-	-	
Extinction ratio	50 dB	-	-	
Return loss (RF ON/RF OFF)	40 dB	-	-	
Rise-time/fall-time: (10%-90%)	-	25 ns	-	
Frequency	-	-	200 MHz	
VSWR	-	1.3:1	-	
Input impedance	-	-	50 Ω	
RF power	-	1 W	-	Absolute maximum rating. Higher power will cause damage.
Frequency shift	-	-	200 MHz	Upshift
Fiber type	-	-	-	Nufern 630-HP/PM630-HP[1]
Fiber length	1.5 m	-	-	900 µm PVDF sleeving
Fiber termination	-	-	-	Bare fiber



Other products which may be of interest

- HI REL couplers
- High power multimode combiners
- Combiners with all types of signal feedthrough fiber
- Ultra-low ratio tap couplers
- WDMs for combining signals with red pointer lasers
- OCT wideband couplers

For further information

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