

**FIBER-Q® , VISIBLE WAVELENGTH
633 nm Fiber Coupled Acousto-Optic Modulator
STG-S-M200-0.4C2E-3-F2S/STG-S-M200-0.4C2E-3-F2P**



We 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 (AR) coating through to fiber coupling, ensure our components are of the highest optical quality.

The Fiber-Q® acousto-optic modulator is designed for use in pulsed fiber laser amplifier systems and as a pulse picker for short pulse, high repetition rate fiber lasers. In addition to the standard product shown, custom configurations are available for specialized applications.

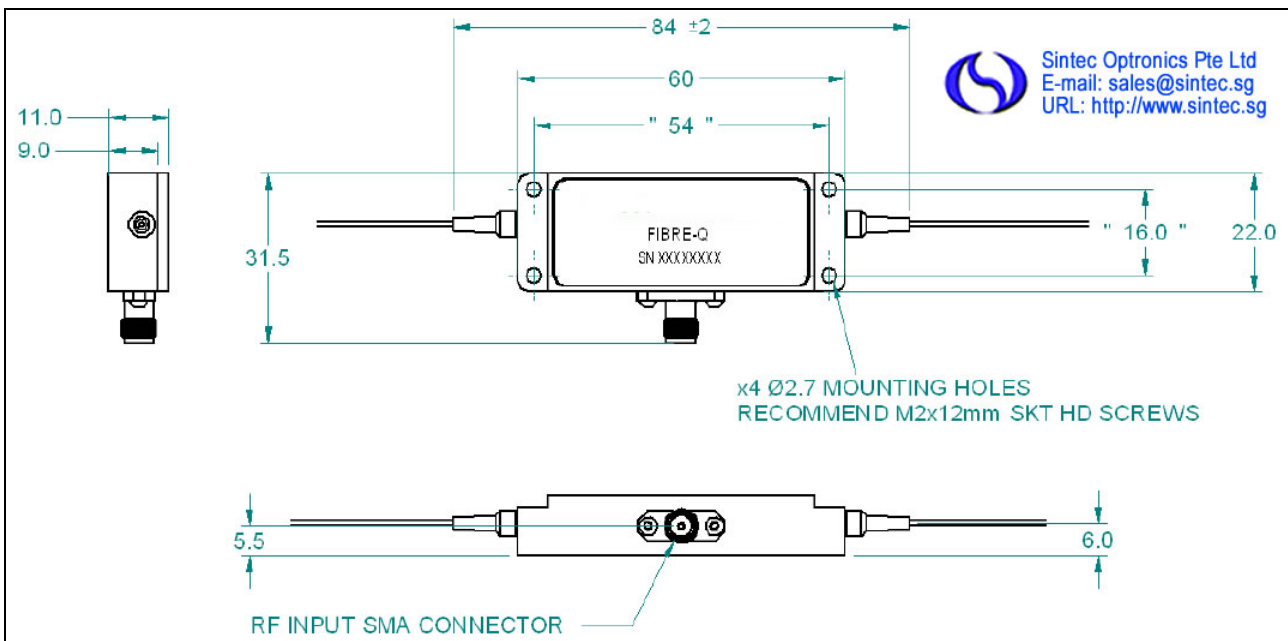
Key Features

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

Applications

- Fiber laser
- Pulse picker
- Optical sensing

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