



## AM1005

### Fiber Coupled Acousto-Optic Modulator, 200 MHz, 1550 nm, PM1550XP Fiber

The AM1005 is a fiber coupled acousto-optic modulator, 200 MHz, 1550 nm, PM1550XP fiber, It is designed for pulsed fiber laser/amplifier system applications. The AOM is installed in fiber laser cavity, laser pulses can be obtained by modulating the AOM with TTL signal. The frequency of the product is 200 MHz and the RF power is 2.5 W max..

#### FEATURES

- Low Insertion Loss
- Customized Configurations Available
- Compact Package
- Stable and Reliable Performance

#### USE IN

- Fiber Amplifier
- Fiber Laser

Interaction Material	TeO <sub>2</sub>
Wavelength	1550 nm
RF Frequency	200 MHz
Insertion Loss	5.5 dB max.
Polarization Extinction Ratio	18 dB min.
Extinction Ratio	50 dB min.
Rise Time	20 ns max.
RF Power	2.5 W max.
RF Connector	SMA-F
Fiber Type	PM1550XP
Fiber Length	1 m
Fiber Termination	FC/APC
Cooling	Conduction-cooled
Shell Material	Aluminum Alloy 6061
Storage Temperature	-20°C to 70°C