Fixed Fiber Optic Attenuators, Single Mode

- Single Mode,Fixed Attenuators from 3dB to 25dB
- Operating Wavelength Rangers from 1240-1620nm
- FC/PC or FC/APC Connectors



Overview

Features:

- Attenuates Optical Signal
- FC/PC or FC/APC Connectors

Tang Pin's Single Mode Fixed Fiber Optic Attenuators allow one to attenuate an optical signal easily by plugging an FC/PC- or FC/APC- terminated fiber directly into the back end of the attenuator connector.The input of the attenuator has a 2.2 mm wide key female connector,making it compatible with both narrow key and wide key male connectors.The output of the attenuator has a 2.0mm narrow key male connector (either FC/PC or FC/APC).These single mode attenuators are made with polarization-insensitive doped fiber to achieve the specified attenuation over operation wavelength ranges between 1240-1620 nm.

Every attenuator includes connector caps.For replacement ,plastic FC connector are available.

Fixed Fiber Optic Attenuators: FC/PC

Item	FA03	FA05	FA10	FA15	FA20	FA25
Fiber Connector	FC/PC					
Key Size	Univsal(Female 2.2mm Wide-Key Input,Male 2.0mm Narrow -Key Output)					
Attenuation	3±0.5dB	5±0.5dB	10.0±0.7dB	15.0±1.0dB	20±1.0dB	25±1.3dB
Operating Wavelength Range	1240-1620nm					
Transmission	50.1±6.1%	31.6±3.9%	10.0±1.8%	3.2±0.8%	1.0±0.3%	0.32±0.1%
Return Loss	≥40 dB					
Maximum Input Power	1W					
Polarization Dependant Loss(PDL)	≤0.1 dB					
Operating Temperature	-40 to 85 °C					

A. This attenuation does not include insertion loss.This value was measured by using a detector in freespace,therefore additional losses can be expected if used as the intermediary element between two fiber-coupled components.

Fixed Fiber Optic Attenuators: FC/PC

Item	FA03-APC	FA05-APC	FA10-APC	FA15-APC	FA20-APC	FA25-APC
Fiber Connector	FC/APC					
Key Size	Univsal(Female 2.2mm Wide-Key Input,Male 2.0mm Narrow -Key Output)					
Attenuation	3±0.5dB	5±0.5dB	10.0±1.0dB	15.0±1.0dB	20±1.0dB	25±1.5dB
Operating Wavelength Range	1240-1620nm					
Transmission	50.1±6.1%	31.6±3.9%	10.0±2.6%	3.2±0.8%	1.0±0.3%	0.32±0.13%
Return Loss	≥60 dB					
Maximum Input Power	1W					
Polarization Dependant Loss(PDL)	≤0.1 dB					
Operating Temperature	-40 to 85 °C					

A.The attenuation tolerance value takes into account alignment variability due to the universal key design.When mating connectors with different key sizes,the angled fiber tips may not come into full contact.

B.This measurement does not include insertion loss.This value was measured by using a detector in freespace,therefore additional losses can be expected if used as the intermediary element between two fiber-coupled components.