

TITAN accessories

CATALOG
2012

ATTENUATORS

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ADAPTOR TYPE FIXED ATTENUATOR



PRODUCT SPECIFICATION

Item	Description
Operating Wavelength	SM: 1200-1600nm or 1310nm, 1550nm
	MM: 850nm, 1300nm
Return Loss	Less than 50dB (SPC)
	Less than 55dB (UPC)
	Less than 65dB (APC)
Attenuation Accuracy	+/-0.5(1-10)dB
	+/-1.0(11-30)dB
Polarization Dependent Loss	Less than 0.2dB
Maximum Optical Input Power	200mW
Operating Temp Range	-40~85°C

Specifications shown above were obtained using JLD recommended products and procedures

ORDERING CODES

Fiber optic attenuator	Connector type	Mode Type	Polishing	Attenuation value	Wavelength
023 - addaptor type fixed attenuator	A-FC B-SC C-ST D-LC F-MU	1-9/125 5-50/125 6-62.5/125	P-PC U-UPC A-APC	01-1dB 02-2dB 03-3dB ... 30-30dB	13-1310nm 15-1550nm 35-1310/1550nm 85-850nm

IN-LINE FIXED ATTENUATOR



PRODUCT SPECIFICATION

Item	Description
Attenuation Range	0-30dB
Attenuation Tollerance	≥0.5dB(1dB-10dB)
	≥1.0dB(11dB-30dB)
Available Wavelength	1310nm, 1550nm, 1310&1550nm
Wavelength Dependance	≤0.3dB Change in insertion loss for 1310-1550nm
Return Loss	≥50dB(SPC)
	≥55dB(UPC)
	≥65dB(APC)
Polarization Dependent Loss	≤0.2dB
Temperature Range	-40~85°C (≤0.2dB in Insertion loss)
Humidity Range	+/-0.2dB Change in 10% to 90% relative Humidity Range
Vibration	≤0.1dB change between 10Hz to 55Hz
Drop	+/-0.2dB after 8 drops (3 axes) from 1.8m onto a hard surface

Specifications shown above were obtained using JLD recommended products and procedures

ORDERING CODES

Fiber optic attenuator	Connector type	Mode Type	Polishing	Attenuation value	Wavelength
023 - addaptor type fixed attenuator	A-FC B-SC C-ST D-LC F-MU	1-9/125 5-50/125 6-62.5/125	P-PC U-UPC A-APC	01-1dB 02-2dB 03-3dB ... 30-30dB	13-1310nm 15-1550nm 35-1310/1550nm 85-850nm

PLUG-TYPE FIXED VALUE ATTENUATOR



PRODUCT SPECIFICATION

Characteristics	Value
Wavelength	SM: 1200-1600nm or 1310nm, 1550nm MM: 850nm, 1300nm
Return Loss	Less than 50dB(PC) Less than 55dB(UPC) Less than 65dB(APC)
Attenuation Range	1~10dB: +/-0.1dB Standart 11~30dB: +/-0.1dB Standart 1~10dB: +/-0.5dB Premiumt
Reflectance PC	PC ≥45dB UPC ≥55dB APC ≥60dB
Polarization Dependent Loss	Less than 0.2dB
Maximum Optic Input Power	200mW
Operating Temperature	-40°C +75°C
Storage Temperature	-45°C +85°C

Specifications shown above were obtained using JLD recommended products and procedures

PLUG-TYPE FIXED VALUE ATTENUATOR

MECHANICAL DRAWINGS

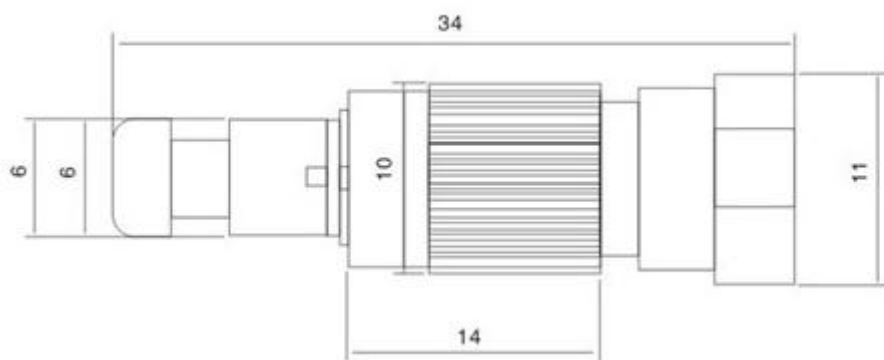


Fig. 3.1. FC Plug-type fixed value attenuator

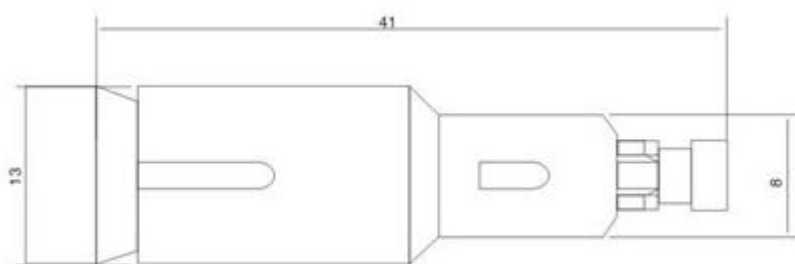


Fig. 3.2. SC Plug-type fixed value attenuator

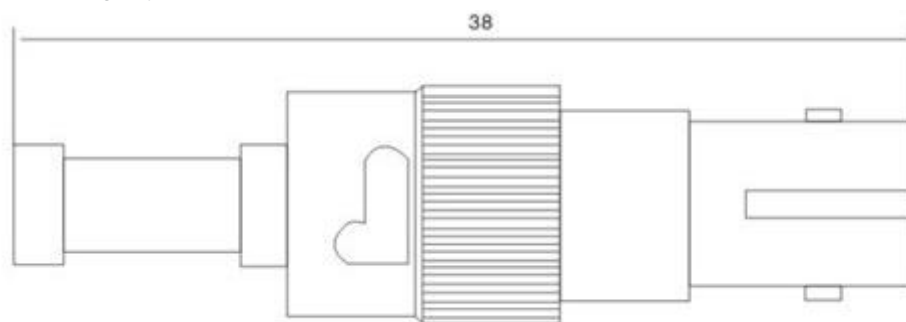


Fig. 3.3. ST Plug-type fixed value attenuator

PLUG-TYPE FIXED VALUE ATTENUATOR

MECHANICAL DRAWINGS

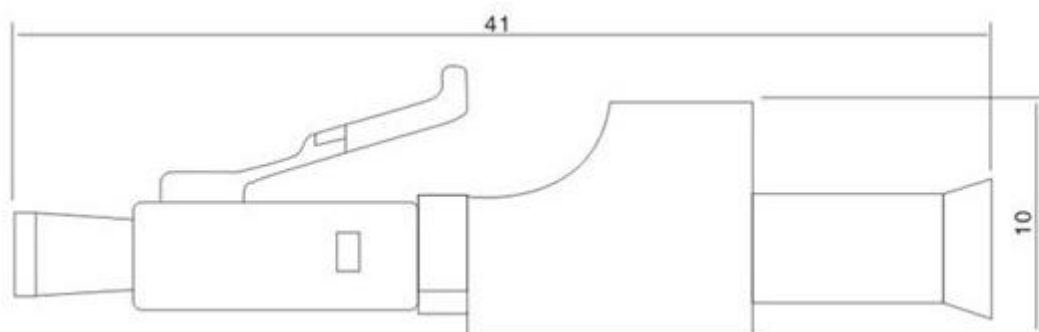


Fig. 3.4. LC Plug-type fixed value attenuator

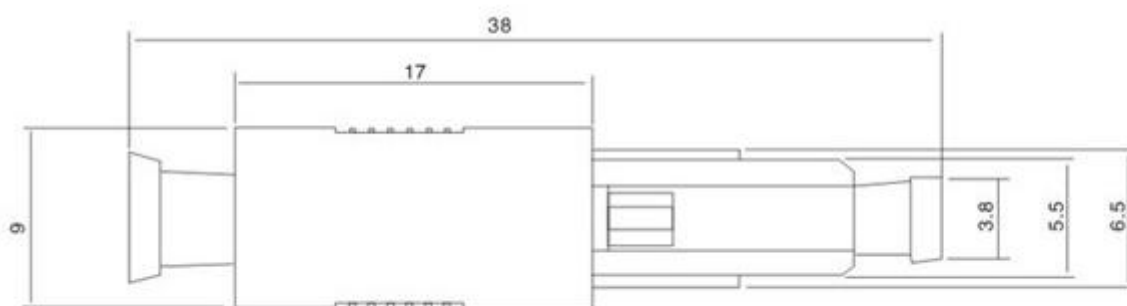


Fig. 3.5. MU Plug-type fixed value attenuator

ORDERING CODES

Fiber optic attenuator	Connector type	Mode Type	Polishing	Attenuation value	Wavelength
024 - addaptor type fixed attenuator	A-FC B-SC C-ST D-LC F-MU	1-9/125 5-50/125 6-62.5/125	P-PC U-UPC A-APC	01-1dB 02-2dB 03-3dB ... 30-30dB	13-1310nm 15-1550nm 35-1310/1550nm 85-850nm

VARIABLE BULKHEAD-TYPE ATTENUATOR



PRODUCT SPECIFICATION

Model Items	ST	FC/UPC	FC/APC
Attenuation Range [dB]	15	30	30
Material -Split Sleeve -Body	Bronze Nickel Plated Brass	Ceramic Nickel Plated Brass	Ceramic Nickel Plated Brass
Attenuation Tollerance	-40°C +75°C		
Humidity Range	-50°C +85°C		

Specifications shown above were obtained using JLD recommended products and procedures

ORDERING CODES

Fiber optic attenuator	Connector type	Mode Type	Polishing	Attenuation value	Wavelength
026 - addaptor type fixed attenuator	A-FC C-ST	1-9/125 5-50/125 6-62.5/125	P-PC U-UPC A-APC	01-1dB 02-2dB 03-3dB ... 30-30dB	13-1310nm 15-1550nm 35-1310/1550nm 85-850nm