

1850nm SM Fixed In-line Optical Attenuator

1850nm SM Fixed In-line Optical Attenuator is a fiber component which can attenuate the optical power with a fixed attenuation value, the attenuation value can be up to 30dB, it's widely used in Quantum Communication, fiber laser and Testing System. High power type is available upon request.

Application:

Quantum Communication
Fiber Laser
Testing System
Lab And Research

Features:

High Precision
High Power
High Attenuation
High Reliability



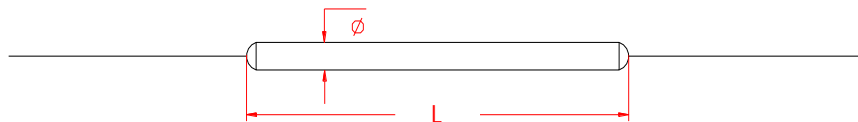
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1850	nm
Bandwidth	BW	± 10	nm
Attenuation and Tolerance		1 $\pm$ 0.1, 2 $\pm$ 0.2, 3 $\pm$ 0.3, 5 $\pm$ 0.7, 10 $\pm$ 1.0, 15 $\pm$ 1.8, 20 $\pm$ 2.5, 30 $\pm$ 3.0 or customized	dB
Max. Polarization Dependent Loss	PDL	0.15	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SM 1905 or SMF-28e fiber	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 3.0 \times L54$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

SMFIA-**WWWW**-**PP**-**AA**-**FF**-**J**-**LL**-**CC**

WWWW	PP	AA	FF	J	LL	CC
Wavelength	Port	Attenuation	Fiber Type	Fiber Jacket	Fiber Length	Connector
1850 - 1850nm	11 - 1x1	01 - 1dB	S1 - SM 1950	B - 250um Bare Fiber	05 - 0.5m	NE - None
1860 - 1860nm		02 - 2dB	S2 - SMF-28e	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1870 - 1870nm		03 - 3dB		2 - 2mm Loose Tube	15 - 1.5m	FU - FC/UPC
1880 - 1880nm		05 - 5dB		3 - 3mm Loose Tube	20 - 2.0m	SA - SC/APC
1890 - 1890nm		10 - 10dB			SS - Specify	SU - SU/APC
SSSS - Specify		15 - 15dB				LA - LC/APC
		20 - 20dB				LU - LC/UPC
		30 - 30dB				SS - Specify
		SS - Specify				