

1780nm Fiber Mirror Reflector

1780nm Fiber Mirror Reflector is a fiber component which can reflect the input light with planar mirror built inside, the reflection light can be up to 80%. PM and Non-PM version are optional. It's widely used in Fiber Laser, Fiber Amplifier System and Fiber Optic Sensor. High power type is also available upon request.

Application:

Fiber Interference
Fiber Optic Sensor
Fiber Laser
Lab And Research

Features:

High Extinction Ratio
High Power Available
Low Insertion Loss
High Reliability



Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1780	nm
Bandwidth	BW	± 20	nm
Typ. Insertion Loss	IL	0.7	dB
Max. Insertion Loss	IL	1.0	dB
Min. Extinction Ratio (for PM fiber)	ER	20	dB
Max. PDL (for SM fiber)	PDL	0.15	dB
Max. Optical Power (CW)	P	500 or specify	mW
Max. Tensile Load		5	N
Fiber Type		PM Panda or SM fiber	-
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

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

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

FMR- WWW - FF - J - LL - CC				
WWW	FF	J	LL	CC
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
1700 - 1700nm	P5 - PM 1550	B - 250um Bare Fiber	05 - 0.5m	NE - None
1720 - 1720nm	P9 - PM 1950	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1750 - 1750nm	S2 - SMF-28e	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1760 - 1760nm	S9 - SM 1950	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1780 - 1780nm			SS - Specify	SU - SU/APC
SSSS - Specify				LA - LC/APC
				LU - LC/UPC
				SS - Specify