

458nm Fiber Mirror Reflector

458nm 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 Quantum Communication, Fiber Laser System and Fiber Optic Sensor. High power type is also available upon request.

Application:

Quantum Communication
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	458	nm
Bandwidth	BW	± 10	nm
Typ. Insertion Loss	IL	0.8	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
405 - 405nm	PM - PM fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None
410 - 410nm	SM - SM fiber	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
420 - 420nm		2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
430 - 430nm		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
440 - 440nm			SS - Specify	SU - SU/APC
450 - 450nm				LA - LC/APC
458 - 458nm				LU - LC/UPC
SSS - Specify				SS - Specify