

# 1310, 1550nm Partial Reflective Faraday Mirror

## Feature

High Isolation  
 Low Insertion Loss  
 Epoxy-Free Optical Path  
 Low Polarization Sensitivity  
 Low Profile Packaging

## Appliation

Fiber Optic Amplifiers  
 Sensing Systems  
 Telecommunication Networks  
 CATV Networks  
 LAN Systems

## Specification

Parameter	Unit	Value
Center Wavelength (CW)	nm	1310, 1550
Bandwidth	nm	+/-20
Excess Loss	dB	0.8
Nominal Reflective Ratio	%	1, 2, 5, 10, 50
Faraday Rotation Angle (Transmission)	Deg	45
Rotation Angle Tolerance (CW. 23°C)	Deg	+/-1
PDL (for SM Fiber Type)	dB	≤0.15
Extinction Ratio (for PM Fiber Type)	dB	≥20
Fiber Type	SM Fiber Type	-
	PM Fiber Type	-
		SMF-28 Fiber
		PM Panda Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	mm	(Φ)5.5x35

Note: 1. Specifications are for device without connectors; Specifications may change without notice.  
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.  
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

## Ordering information

<b>FFPM- NNNN</b>	-	<b>NN</b>		<b>C</b>		<b>C</b>	-	<b>C</b>		<b>NN</b>	-	<b>CC/CCC</b>
Center wavelength		Ref. Ratio		Input Fiber Type		Output Fiber Type		Fiber Sleeve		Fiber Length		Connector Type
1550=1550nm		01=1%		S=SM Fiber		S=SM Fiber		B= Bare Fiber		10=1.0m		N =Without Connector
1310=1310nm		05=5%		P= PM Fiber		P= PM Fiber		L= Loose Tube		15=1.5m		FC/APC=FC/APC Connector
		50=50%								20=2.0m		LC/PC =LC/PC Connector