1053nm Partial Reflective Faraday Mirror

FEATURES

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

APPLICATIONS

- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength (CW)		nm	1053
Bandwidth		nm	+/-5
Excess Loss		dB	≤4.0
Nominal Reflective Ratio		%	1±0.5, 2±0.4, 5±1, 10±2, 50±8, 80, 90
Faraday Rotation Angle (Transmission)		Deg	22.5, 45, 90
Rotation Angle Tolerance (CW. 23°C)		Deg	≤+/-4
Faraday Position	Forward Type	-	Faraday is before the Mirror
	Backward Type	-	Faraday is after the Mirror
PDL (for SM Fiber Type)		dB	≤0.2
Extinction Ratio (for PM Fiber Type)		dB	≥20
Fiber Type	SM Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
	PM Fiber Type	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		mW	100
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

FFPM-NNNN-NN (NN) - (C) C C -(C) (C) C NN - CC/CCC

Center Wavelength	*Ref. Ratio*	*Rotation Angle*	*Faraday Position*	*Input Fiber*	*Output Fiber*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1053= 1053nm	01=1%	90= 90degree	B=Backward	S=SM Fiber	S=SM Fiber	M=Metal Box	E=10/125 SC or PM1060L Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	10=10%	225=22.5degree	*Blank* for Forward	P=PM Fiber	P= PM Fiber	*Blank* for SST	Q=20/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	50=50%	*Blank* for 45degree					R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	80=80%						*Blank* for HI1060 or PM980 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector