



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 (λ_c)	nm	1310, 1480, 1550	
Bandwidth	nm	+/-15	
Insertion Loss	(Typ.)	0.4	
	(Max.)	0.6	
Faraday Rotation Angle (Single Pass)	Deg	45	
Rotation Angle Tolerance (23°C, λ_c +/-15nm)	Deg	\leq +/- 3	
Polarization Dependent Loss (for SM Fiber Type)	dB	\leq 0.05	
Extinction Ratio (for PM Fiber Type)	ps	\geq 20	
Fiber Type	SM Fiber Type	-	SMF-28 Fiber
	PM Fiber Type	-	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

FFDM-	NNNN	-	C	C	NN	-	CC/CCC
	Center Wavelength		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	1310= 1310nm		P=PM Panda Fiber	B= Bare Fiber	10=1.0m		N =Without Connector
	1550= 1550nm		S=SMF-28e Fiber	L= Loose Tube	15=1.5m		FC/APC=FC/APC Connector
	1480= 1480nm				20=2.0m		LC/PC =LC/PC Connector