

Fiber Mirror for Pulse Power

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		nm	1310, 1480, 1550, 1590
Bandwidth		nm	+/-30
Insertion Loss (Max.)		dB	0.8
PDL (SM Fiber)		dB	≤0.10
Extinction Ratio (PM Fiber)	Standard	dB	≥18
	High ER Type	dB	≥20
Fiber Type	SM Fiber	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	PM Fiber	-	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
Fiber Tensile Load		N	5
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 38 (≤3W); ∅6.0x ^L 50 (3~8W)
	Metal Box	mm	M: ^L 120x ^W 12x ^H 10 (≤8W) H: 90x ^W 12x ^H 10 (>8W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - High ER type can only work in slow axis or fast axis and block the other one.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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)

FFMR-NNNN - (C)	C	-H	NN	P NN	- (C)	(C)	C	NN	- CC/CCC
Center Wavelength	Type	Fiber Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	R-High ER	P= PM Fiber	03-300mW	01-100W	M= Metal Box	O=10/130DC or 10/125PMDC Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
1480-1480nm	Blank for Standard	S=SM Fiber	1- 1W	1- 1kW	H=H Box	T=12/130DC or PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1550-1550nm		F= PM Fiber/Fast Axis	3-3W	5-5kW	Blank for SST	G=25/300 DC or PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1590-1590nm			5-5W	10-10kW		Blank for SMF-28 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector
						or PM1310/1550 Fiber			