

1620-1790nm 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	1625, 1650, 1700, 1730, 1750, 1790
Bandwidth	nm	+/-20
Insertion Loss (Max.)	dB	1.2
PDL (for SM Fiber Type)	dB	≤0.15
Extinction Ratio (for PM Fiber Type)	dB	≥18
Fiber Type	SM Fiber Type	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)
	PM Fiber Type	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)
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	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	∅5.5x ^L 38 (≤3W); ∅6.0x ^L 50 (3~8W)
	Metal Box	M: ^L 120x ^W 12x ^H 10 (≤8W) H: 90x ^W 12x ^H 10 (>8W)

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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. 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
1625-1625nm	R-High ER	P- PM Fiber	03-300mW	01-100W	M-Metal Box	V-SM1950 or PM1950 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
1700-1700nm	Blank for Standard	S-SM Fiber	1- 1W	1- 1kW	H-H Box	O-10/130 DC or PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
1730-1730nm		F- PM Fiber/Fast Axis	5-5W	5-5kW	Blank for SST	R-25/250 DC or PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
1790-1790nm			10-10W	10-10kW		Blank for SMF-28 Fiber or PM1550 Fiber	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector