

High Power Fiber 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	nm	1310, 1480, 1550, 1590
Bandwidth	nm	+/-30
Insertion Loss (Max.)	dB	0.8
PDL (for SM Fiber Type)	dB	≤0.10
Extinction Ratio (for PM Fiber Type)	dB	≥18
Fiber Type	SM Fiber Type	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 Type	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
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm $\varnothing 5.5 \times L38 (\leq 3W)$; $\varnothing 6.0 \times L50 (3 \sim 8W)$
	Metal Box	mm M: $L120 \times W12 \times H10 (\leq 8W)$ H: $90 \times W12 \times H10 (> 8W)$

- 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.
 - 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	-HP NN	- (C)	(C)	C	NN	-CC/CCC
Center Wavelength	Type	Fiber Type	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310~1310nm	R=High ER	P= PM Fiber	1= 1W	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	2= 2W	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	5=5W	Blank for SST	G=25/300 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590~1590nm			10=10W		Blank for SMF-28 Fiber or PM1310/1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector