

960~1160nm 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	975, 980, 990, 1000 1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150
Bandwidth		nm	+/-15
Insertion Loss (Max.)		dB	1.0
PDL (SM Fiber)		dB	≤0.20
Extinction Ratio (PM Fiber)	Standard	dB	≥18
	High ER 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
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50
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)	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 0.5dB 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.
 - High ER type can only work in slow axis or fast axis and block the other one.
 - 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.
 - Package size maybe different for different optical power and fiber type.

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
980~980nm	R-High ER	P-PM Fiber	03~300mW	01~100W	M-Metal Box	E-10/125 SC or PM1060L Fiber	B- Bare Fiber	05~0.5m	N-Without Connector
1030~1030nm	Blank for Standard	S-SM Fiber	1~1W	1~1kW	H-H Box	Q=20/130 DC or PMDC Fiber	L- Loose Tube	10~1.0m	FC/APC=FC/APC Connector
1064~1064nm		F-PM Fiber/Fast Axis	3~3W	5~5kW	Blank for SST	R=25/250 DC or PMDC Fiber	2- 2mm Cable	15~1.5m	LC/PC=LC/PC Connector
1120~1120nm			5~5W	10~10kW		Blank for HI1060 or PM980 Fiber	3- 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector

