

960~1160nm Partial Reflective 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 (CW)		nm	975, 980, 990, 1000
			1020, 1030, 1040, 1053, 1064
			1070, 1080, 1092, 1103, 1120, 1150
Bandwidth		nm	+/-15
Excess Loss		dB	1.0
Nominal Reflective Ratio		%	1±0.5, 2±0.8, 5±1, 10±2, 50±8, 80, 90, 99
PDL (SM Fiber)		dB	≤0.20
Extinction Ratio (PM Fiber)	Standard	dB	≥18
	High ER Type	dB	≥20
Fiber Type	SM Fiber	-	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	-	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	Stainless Steel Tube (SST)	mm	ø5.5x ^L 38 (≤5W); ø6.0x ^L 50 (5~10W)
Dimension	Metal Box	mm	^L 120x ^W 12x ^H 10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB 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. High ER type can only work in slow axis or fast axis and block the other one.

5. 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.

6. Package size may be different for different fiber type and optical power.

ORDERING INFORMATION (PN)

FFPF-NNNN- NN	(C)	C	C	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC	
Center Wavelength	Ref. Ratio	Type	Input Fiber	Output Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
980~980nm	01~1%	R~High ER	P~ PM Fiber	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	10~10%	Blank for Standard	S~SM Fiber	S~SM Fiber	1~1W	1~1kW	Blank for SST	Q~20/130 DC or PMDC Fiber	L~ Loose Tube	10~1.0m	FC/APC~FC/APC Connector
1064~1064nm	50~50%		F~ PM Fiber/Fast Axis	F~ PM Fiber/Fast Axis	5~5W	5~5kW		R~25/250 DC or PMDC Fiber	2~ 2mm Cable	15~1.5m	LC/PC~LC/PC Connector
1120~1120nm	80~80%				10~10W	10~10kW		Blank for HI1060 or PM980 Fiber	3~ 3mm Cable	20~2.0m	SC/UPC~SC/UPC Connector

