

1620~1790nm 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	1625, 1650, 1700, 1730, 1750, 1790	
Bandwidth	nm	+/-20	
Excess Loss	dB	≤1.2	
Nominal Reflective Ratio	%	1±0.5, 2±0.8, 5±1, 10±2, 50±8, 80, 90, 99	
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	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤3W); (Ø)6.0x48 (3~10W)
	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 0.3dB 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)

FFPF-NNNN	- NN	C	C	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Ref. Ratio	Input Fiber	Output Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1625-1625nm	01-1%	S=SM Fiber	S=SM Fiber	03-300mW	01-100W	M=Metal Box	V=SM1950 Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
1700-1700nm	10-10%	P= PM Fiber	P= PM Fiber	1-1W	1-1kW	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1730-1730nm	50-50%			2-2W	5-5kW		R=25/250 DC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1790-1790nm	80-80%			10-10W	10-10kW		Blank for SMF-28 Fiber or PM1550 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector