

750~850nm 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	750, 780, 793, 808, 830, 850	
Bandwidth	nm	+/-10	
Excess Loss	dB	1.4	
Nominal Reflective Ratio	%	1±0.5, 2±0.8, 5±1, 10±2, 50±8, 80, 90, 99	
PDL (for SM Fiber Type)	dB	≤0.20	
Extinction Ratio (for PM Fiber Type)	dB	≥18	
Fiber Type	SM Fiber Type	HI780 Fiber or 780-HP Fiber	
	PM Fiber Type	PM850 Fiber or PM780-HP Fiber	
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, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (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 0.7dB 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- NNN	- 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
780-780nm	01-1%	S-SM Fiber	S-SM Fiber	03-300mW	01-100W	M-Metal Box	7-780HP Fiber or PM780HP Fiber	B- Bare fiber	05-0.5m	N-Without Connector
793-793nm	10-10%	P-PM Fiber	P- PM Fiber	1- 1W	1- 1kW	Blank for SST	Blank for HI780 or PM850 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
830-830nm	50-50%			5- 5W	5- 5kW			2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
850-850nm	80-80%			10-10W	10-10kW			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector