

960~1160nm High Power Partial Reflective 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 (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
	High ER Type	dB
Fiber Type	SM Fiber	-
	PM Fiber	-
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm
	Metal Box	mm

- 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 may be different for different fiber type and optical power.

ORDERING INFORMATION (PN)

FFPF-NNNN- NN	(C)	C	C	-HP NN	-(C)	(C)	C	NN	-CC/CCC	
Center Wavelength	Ref. Ratio	Type	Input Fiber	Output Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
980~980nm	01~1%	R=High ER	P= PM Fiber	P= PM Fiber	1= 1W	M=Metal Box	E=10/125 SC or PM1060L Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1030~1030nm	05~5%	Blank for Standard	S=SM Fiber	S=SM Fiber	2= 2W	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	3=3W		R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120~1120nm	80~80%				5=5W		Blank for HI1060 or PM980 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

