

1070nm PM BP/Partial Mirror Hybrid

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters	Unit	Standard	High ER Type
Center Wavelength	nm	1070	
Min. Bandwidth@0.5dB	nm	4.0	
Excess Loss	dB	≤1.3	≤1.5
Stop Wavelength (ASE)	nm	1000~1065&1075~1100	
Stop Wavelength (ASE) Isolation	dB	Standard	≥25
	dB	High Isolation	≥45
Reflective Ratio	%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90	
BP Position	-	Forward	Bandpass is before the Mirror
	-	Backward	Bandpass is after the Mirror
Configuration	-	D: 2-port, Y: 3-port, (Forward/Backward ASE Guide Out)	
Optical Return Loss	dB	≥45	
Extinction Ratio	dB	≥18	≥20
Fiber Type	Input&Output	-	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)
	ASE Guide Out (Y/X Type)	-	Same Fiber, Corr. SM Fiber or MM Fiber
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35
	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. High ER type can only work in slow axis at pass port.

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.

5. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

Center Wavelength	Bandwidth	ASE Iso	Ref. Ratio	BP Position	Type	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1070 -1070nm	40-4nm	I=High Isolation Blank for Standard	01= 1% 05=5% 50=50% 90=90%	B=Backward Blank for Forward	R=High ER Blank for Standard	Y=Same Fiber S=Corr. SM Fiber 5=50/125um Fiber Blank for D Type	M=Metal Box Blank for SST	2=PM980Fiber E=PM1060L Fiber Q=20/130 PMDC Fiber R=25/250 PMDC Fiber	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector

