

## 1050nm 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	1050	
Min. Bandwidth@0.5dB		nm	2.0, 11	
Excess Loss		dB	≤1.3	≤1.5
Stop wavelength (ASE)	2nm Bandwidth	nm	1000~1046&1054~1120	
	11nm Bandwidth	nm	1000~1039&1061~1120	
Stop Wavelength (ASE) Isolation	Standard	dB	≥25	
	High Isolation	dB	≥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)	
	ASE Guide Out (Y/X Type)	-	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	∅5.5xL35	
	Metal Box	mm	L120xW12xH10	

- 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.
  - High ER type can only work in slow axis at pass port.
  - 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 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
1050-1050nm	20-2nm	I-High	01-1%	B-Backward	R-High ER	Y-Same Fiber	M-Metal Box	2-PM980Fiber	B- Bare fiber	05-0.5m	N-Without Connector
	110-11nm	Isolation	05-5%	Blank for	Blank for	S-Corr. SM Fiber	Blank for SST	E-PM1060L Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
		Blank for	50-50%	Forward	Standard	5=50/125um Fiber		Q=20/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
		Standard	90-90%			Blank for D Type		R=25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector

