

1021nm 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 | 1021 | |
| Min. Bandwidth@0.5dB | nm | 6.0 | |
| Excess Loss | dB | ≤1.3 | ≤1.5 |
| Stop Wavelength (ASE) | nm | 1000~1015&1027~1100 | |
| 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 | mm | Stainless Steel Tube (SST) | ∅5.5xL35 |
| | mm | Metal Box | L120xW12xH10 |

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 |
|-------------------|-----------|-----------|------------|-------------|-----------|------------------|---------------|---------------------|---------------|--------------|-------------------------|
| 1021-1021nm | 60-6nm | 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 |
| | | 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 | S=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/UFC=SC/UFC Connector |