

Polarization Beam Combiner/Splitter

| Features: |
|--|
| Low Insertion Loss High Extinction Ratio High Stability and Reliability |
| Application: |
| EDFA & Raman Amplifier Fiber Sensor Coherent Telecommunication Systems Polarization Mode Dispersion Compensator |

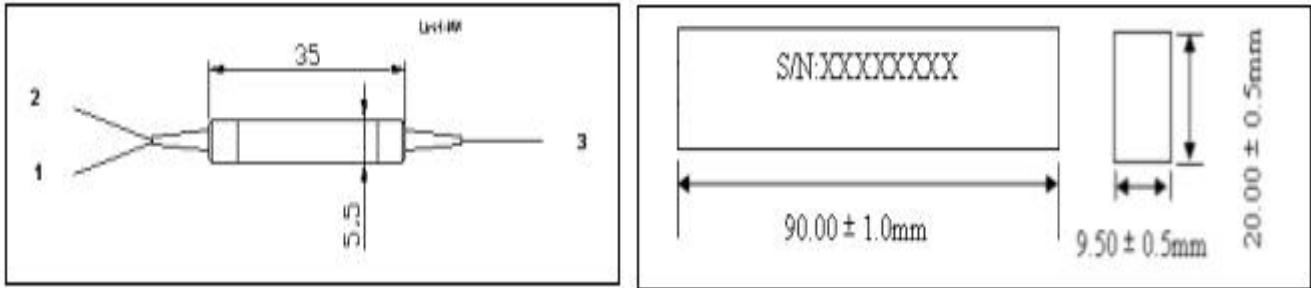
Specifications:

| Parameter | Value | | | | | |
|--------------------------------------|---------------------------|--------------------|-------------------|-----------------|----------------|-------------------|
| Wavelength (nm) | 1310, 1450, 1550, 1650 | 980, 1030, 1064 | 780,850 | 630 | 1940, 2000 | |
| Operating Bandwidth (nm) | ±40 | ±20 | ±20 | ±20 | ±20 | |
| Insertion Loss (dB) | ≤0.60 | ≤0.80 | ≤1.0 | ≤1.6 | ≤1.2 | |
| Extinction Ratio (dB) (Only for PBS) | ≥22 | ≥22 | ≥20 | ≥20 | ≥22 | |
| Directivity (dB) | ≥50 | | | | | |
| Return Loss (dB) | ≥50 | | | | | |
| Power Handling (mW) | ≤300 | | | | | |
| Fiber Type | Port 1 & 2 | PM1550 | PM980 | PM850 | PM630 | PM1550 or PM1950 |
| | Port 3 | SMF-28e or PM1550 | HI 1060 or PM 980 | HI780 or PM9850 | SM630 or PM630 | SMF-28e or PM1550 |
| Operating Temperature (°C) | -5 ~ +70 | | | | | |
| Storage Temperature (°C) | -40 ~ +80 | | | | | |
| Dimensions (mm) | φ5.5 × L35 | | | | | |

*Above specifications are for device without connector.

*For devices with connector, IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.

*The PM fiber and the connector key are aligned to the slow axis.

Package Dimensions:

Ordering Information:

| PBC PBS | Wavelength | Grade | 00 | Fiber Type for Port 3 | Package | Pigtail Type | Length | Connector |
|------------|-------------|-------|----|-----------------------|--------------|--------------|-----------|-----------|
| PBC | 0780=780nm | P=P | | 1=SMF-28e | 0=φ5.5×L35 | 1=250um | H=0.5m | 0=None |
| PBS | 0850=850nm | grade | | 2=HI 1060 | mm | bare fiber | 7=0.70m | 1=FC/UPC |
| | 0980=980nm | A=A | | 3=PM Fiber, Slow Axis | 1=90*20*9.5 | 2=900um | 1=1.0m | 2=FC/APC |
| | 1030=1030nm | grade | | Align to Port 1 | mm | loose tube | S=Specify | 3=SC/APC |
| | 1064=1064nm | | | 4=PM Fiber, Slow Axis | 2=Glass tube | S=Specify | | 4=SC/UPC |
| | 1310=1310nm | | | Align 45° to Port 1 | S=Specify | | | 6=LC/UPC |
| | 1450=1450nm | | | 5=HI780 | | | | 7=LC/APC |
| | 1480=1480nm | | | | | | | S=Specify |
| | 1550=1550nm | | | | | | | |