

1x2 Polarization Beam Combiner /Splitter(PBS/PBC)

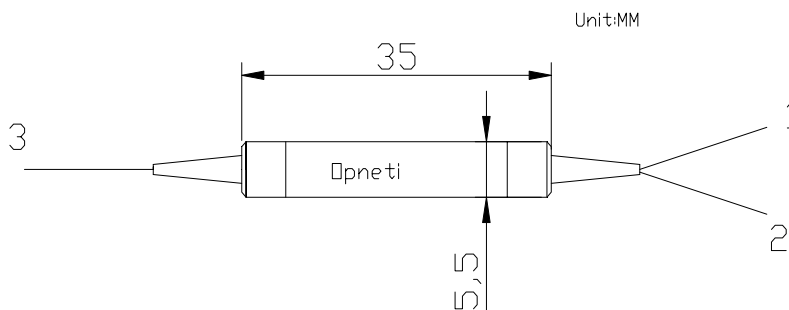
| | |
|--|--|
| Features | |
| Low Insertion Loss High Extinction Ratio High stability and reliability | |
| Application | |
| EDFA & Raman Amplifier | |
| Fiber sensor | |
| Coherent Telecommunication Systems Polarization Mode Dispersion Compensator | |

Specifications

| Type | | P | A | P | A |
|-------------------------------------|-----------|------------------------------------|------|------|------|
| Parameter | | | | | |
| Wavelength (nm) | | 1310, 1450,1480, 1550 | | 1064 | |
| Operating Bandwidth (nm) | | ±40 | | ±20 | |
| Typ. Insertion Loss (dB) | | 0.40 | 0.50 | 0.60 | 0.70 |
| Insertion Loss (dB) | | 0.60 | 0.70 | 0.80 | 0.90 |
| Extinction Ratio (dB)(only for PBS) | | 22 | 20 | 22 | 20 |
| Directivity (dB) | | 50 | | | |
| Return loss (dB) | | 50 | | | |
| Power handling (mW) | | ≤300 | | | |
| Fiber Type | Port 1 &2 | Panda Fiber | | | |
| | Port 3 | SMF-28 or HI1060 or PM panda fiber | | | |
| Fiber Length (m) | | 0.80 | | | |
| Operating temperature () | | -5~+70 | | | |
| Storage temperature () | | -40 ~ +80 | | | |
| Dimensions (mm) | | φ5.5×L35 | | | |

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

| PBS PBC | Port | Grade | Wavelength | Pigtail Type | Fiber Type For Port 3 | Length | Connector |
|---------|------|--------|--------------------------------------|---|---|--------------|---|
| | 1x2 | P A | 1064 1310 1450 1480 1550 | 250=250um bare fiber 900=900um loose tube 3000=3mm loose tube | 1=SMF-28e 2=HI1060 3=PM fiber, Slow axis align to Port 1 4=PM fiber, Slow axis align 45° to port 1 | 0.8= 0.8m | NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other |