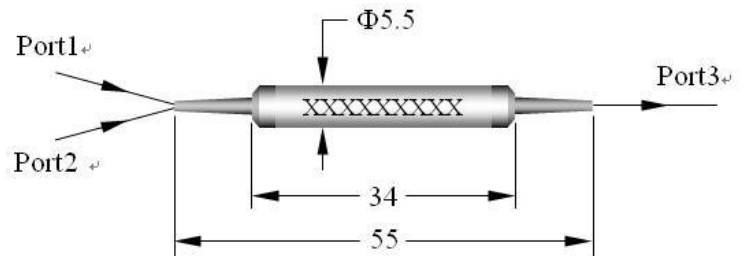


Polarization Beam Combiner/Splitter 980&1064nm

1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

4. Specifications:

| Parameter | Type | Unit | Values | |
|--------------------------------------|------|------|--------------------------|---------|
| | | | Grade P | Grade A |
| Grade | | | Grade P | Grade A |
| Center Wavelength | | nm | 980 | |
| Operating Wavelength Range | | nm | ±30 | |
| Typ. Insertion loss | | dB | 0.6 | 0.7 |
| Insertion loss | | dB | ≤0.8 | ≤0.9 |
| Return Loss | | dB | ≥50 | |
| Extinction Ratio (for Splitter only) | | dB | ≥22 | ≥20 |
| Directivity | | dB | ≥50 | |
| Power Handling | | mW | ≤500 | |
| Tensile Load | | N | ≤5 | |
| Fiber Type (Port1&2) | | / | SM98-PS-U25A or HI1060 | |
| Fiber Type (Port3) | | / | See ordering information | |
| Operating Temperature | | °C | -5 to +70 | |
| Storage Temperature | | °C | -40 to +85 | |

*The specifications are w/o connector.

* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

* For device with connector, key aligned to slow axis.

5. Product Ordering information:

| PBC&S | X | X X | X | X | XX | X | XX | XX |
|---------------------|-------|----------------------|--------------|--------------------------------|------------------------|----------------------|--------------|--------------|
| Product Description | Grade | Operating Wavelength | Pigtail Type | Fiber Type on Port3 | Port1&2 Connector Type | Port3 Connector Type | Package Size | Fiber Length |
| P=Polarization | P | 06=1064nm | 0=250um | 1=HI1060 | 0=None | 0=None | 34=5.5×34 | 05=0.5m |
| B=Beam | A= A | 13=1310nm | 1=900um | 2=Slow axis align to port1 | 1=FC/UFC | 1=FC/UFC | 35=5.5×35 | 08=0.8m |
| C=Combiner | | 15=1550nm | | 3= Slow axis align 45°to port1 | 2=FC/APC | 2=FC/APC | 38=5.5×38 | 10=1.0m |
| S=Splitter | | | | | 3=SC/UPC | 3=SC/UPC | | 12=1.2m |
| | | | | | 4=SC/APC | 4=SC/APC | | |

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