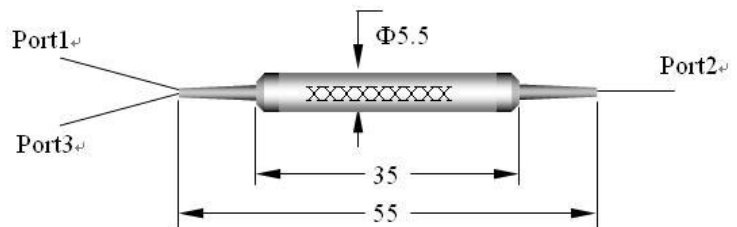


Polarization Maintaining Circulator (1X2-1310/1550nm)

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 | |
|-----------------------|------|------|------------------------------|--------------|
| | | | Dual stage | Single stage |
| Center Wavelength | | nm | 1310±20 or 1550±20 | |
| Typ. Insertion Loss | | dB | 0.7 | 0.5 |
| Insertion Loss | | dB | ≤0.9 | ≤0.7 |
| Peak Isolation | | dB | 52 | 40 |
| Typ. Isolation | | dB | 46 | 35 |
| Isolation | | dB | ≥40 | ≥28 |
| Extinction Ratio | | dB | ≥22 | ≥20 |
| Return Loss | | dB | ≥55 | ≥55 |
| Cross Talk | | dB | ≥50 | |
| Power Handling | | mW | ≤500 | |
| Tensile Load | | N | ≤5 | |
| Fiber Type | | | SM13-PS-U25A or SM15-PS-U25A | |
| Optical Path | | / | Port1→Port2→Port3 | |
| 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:

| PM CIR | | X | X X | X | X | XXX | XX | XX |
|---------------------|-----------|----------|----------------------|--------------|------------|----------------------------------|--------------|--------------|
| Product Description | Port Type | Stage | Operating Wavelength | Pigtail Type | Fiber Type | Port1&Port2&Port3 Connector Type | Package Size | Fiber Length |
| P=Polarization | 1X2 | D=Dual | 06=1064nm | 0=250um | 1=PM98 | 0=None | 34=5.5×34 | 05=0.5m |
| M=Maintaining | | S=Single | 13=1310nm | 1=900um | 2=PM15 | 1=FC/UFC | 35=5.5×35 | 08=0.8m |
| CIR=Circulator | | | 15=1550nm | | 3=PM13 | 2=FC/APC | 38=5.5×38 | 10=1.0m |
| | | | | | 4=others | 3=SC/UPC | | 12=1.2m |
| | | | | | | 4=SC/APC | | |

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