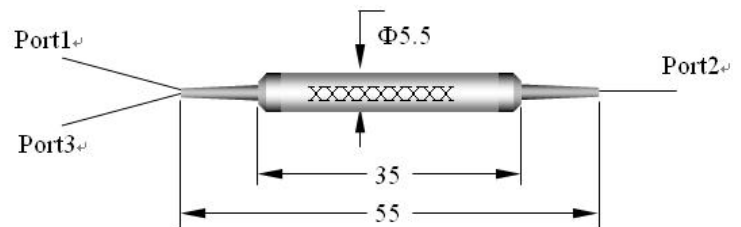


Circulator (1310/1550/1585nm)

1. Features:

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



2. Applications:

- Optical Amplifier
- Fiber Transceiver
- Communication System
- Test Instrumentations
- Optical Fiber Bragg Grating(FBG)



3. Compliance:

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

4. Specifications:

| Parameter | Type | Unit | 1X2 | | 2X2 | |
|-----------------------|------|------|-------------------------------|------|------|------|
| | | | P | A | P | A |
| Grade | / | | P | A | P | A |
| Working Wavelength | | nm | 1310±30 or 1550±30 or 1585±30 | | | |
| Typ. Insertion Loss | | dB | 0.6 | 0.8 | 0.8 | 1.0 |
| Insertion Loss | | dB | ≤0.8 | ≤1.0 | ≤1.0 | ≤1.2 |
| Peak Isolation | | dB | 50 | | | |
| Isolation | | dB | ≥40 | | | |
| PDL | | dB | ≤0.15 | | | |
| PMD | | ps | ≤0.1 | | | |
| Return Loss | | dB | ≥55 | | | |
| Cross Talk | | dB | ≥50 | | | |
| Power Handling | | mW | ≤500 | | | |
| Tensile Load | | N | ≤5 | | | |
| Fiber Type | / | | SMF-28e | | | |
| 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 | Grade | Operating Wavelength | Pigtail Type | Fiber Type | Port1 & Port2 & Port3 Connector Type | Package Size | Fiber Length |
| CIR=Circulator | 1X2 | P | 06=1064nm | 0=250um | 0=smf-28e | 0=None | 50=5.5×50 | 05=0.5m |
| | 2X2 | A | 13=1310nm | 1=900um | 1=PM98 | 1=FC/UFC | 90=90×20×10 | 08=0.8m |
| | | | 15=1550nm | 2=2mm | 2=PM15 | 2=FC/APC | | 10=1.0m |
| | | | 85=1585nm | | 3=PM13 | 3=SC/UPC | | 12=1.2m |
| | | | | | 4=others | 4=SC/APC | | |

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