

1550nm mini fiber optic circulator



● Product Description

The mini optical fiber circulator from Idealphotonics is a compact structure designed specifically for applications with limited space. In addition to its smaller size, its foldable design ensures that all fiber ports are located on the same side, minimizing fiber occupation space. It is a compact, high-performance component with high isolation, low insertion loss, low PDL, and excellent stability and reliability. The fiber circulator directs the incoming signal from port 1 to port 2, and from port 2 to port 3.

● Product features

Small package size 、 All fiber ports on the same side 、 High channel isolation、 No epoxy resin、 RoHS compliant

● Part Number

MP-CIR-1550-A-3-SA-mini

● Application area

Dispersion compensation 、 Bidirectional cutoff system 、 Add/drop multiplexing system、 Miniature optical amplification system、 Miniature OTDR system、 Fiber optic sensing、 Test instruments

● Core parameters

| Center wavelength | Fiber Length | Fiber type |
|-------------------|--------------|------------|
| 1550nm | 1m | SMF-28E |

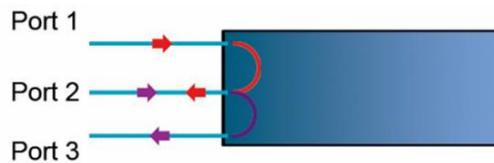
● General Parameters

Technical Parameters

| Parameters | Unit | Value |
|------------------------|------|--------------------|
| Central wavelength | nm | 1310nm/Cband/LBand |
| Operating bandwidth | nm | +/-20 |
| Maximum insertion loss | dB | 1.4 |
| Isolation | dB | 30 |

| | | |
|-----------------------|----|-------------|
| Return loss | dB | 40 |
| Maximum PDL | dB | 0.1 |
| Maximum optical power | mW | 500 |
| Fiber type | - | SMF-28E |
| Operating temperature | °C | -5~+50 |
| Storage temperature | °C | -40~+85 |
| Size | mm | Ø 3mmxL25mm |

Optical functional diagram



• 400G Transceiver

