

1310~1590nm Multimode 3-port Circulator

FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ Epoxy-Free Optical Path
- ▣ High Reliability and Stability
- ▣ Low Profile Packaging

APPLICATIONS

- ▣ Fiber Optic Amplifiers
- ▣ Fiber Optic Instruments
- ▣ WDM Systems
- ▣ Dispersion Compensation
- ▣ Light Routing

SPECIFICATIONS

| Parameter | Unit | Value | |
|----------------------------|----------------------------|---|--------------|
| Center Wavelength | nm | 1310, 1550, 1590 | |
| Bandwidth | nm | +/-15 | |
| Insertion Loss | (Typ.) | dB | 1.1 |
| | (Max.) | dB | 1.3 |
| Isolation | (Typ.) | dB | 25 |
| | (Min.) | dB | 20 |
| Optical Return Loss | dB | ≥30 | |
| Cross Talk | dB | ≥30 | |
| Fiber Type | - | 50/125um (OM2) or 62.5/125um (OM1) MM Fiber 50/125um OM3 MM Fiber (3) or OM4 MM Fiber(4) | |
| Fiber Tensile Load | N | 5 | |
| Maximum Optical Power (CW) | mW | 300 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package | Stainless Steel Tube (SST) | mm | Φ5.5xL50 |
| Dimension | Metal Box | | L120XW12XH10 |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.
 3. Above specifications are measured at low order modes.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

| | | | | | | | |
|--------------------------|----------------|----------|------------------------|---------------------|---------------------|-------------------------|-----------------|
| FMCR- | NNNN | - | (C) | C | C | NN | - CC/CCC |
| <i>Center Wavelength</i> | <i>Package</i> | | <i>Fiber Type</i> | <i>Fiber Sleeve</i> | <i>Fiber Length</i> | <i>Connector Type</i> | |
| 1310~1310nm | M= Metal Box | | 5= 50/125um MM Fiber | B= Bare Fiber | 05=0.5m | N=Without Connector | |
| 1550~1550nm | Blank for SST | | 6= 62.5/125um MM Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 1590~1590nm | | | 3= OM3 MM Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector | |
| | | | 4= OM4 MM Fiber | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector | |