

1310nm or 1550nm Multimode High Power 3-port Circulator

FEATURES

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

APPLICATIONS

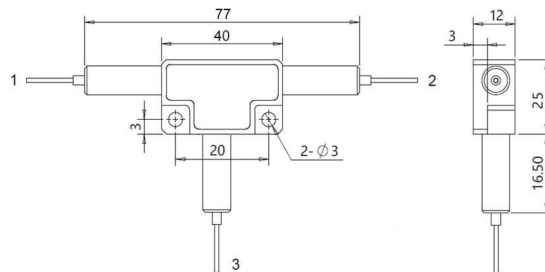
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

| Parameter | Unit | Value |
|---------------------------|--------|---|
| Center Wavelength | nm | 1310, 1550, 1590 |
| Bandwidth | nm | +/-10 |
| Insertion Loss | (Typ.) | 0.8 |
| | (Max.) | 1.3 |
| Isolation@23°C | dB | ≥18 |
| Optical Return Loss | dB | ≥30 |
| Cross Talk | dB | ≥30 |
| Fiber Type | - | 50/125um or 62.5/125um MM Fiber OM3 MM Fiber 105/125um MM Fiber |
| Fiber Tensile Load | N | 5 |
| Maximum Average Power | W | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30 |
| Max. Peak Power for Pulse | kW | 0.1, 1, 2, 3, 5, 10, 15, 20 |
| Operating Temperature | °C | 0~50 |
| Storage Temperature | °C | -40~85 |

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 5. Devices for higher optical power or with other type fiber or consigned fiber are also available.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

| FMCR-NNNN | -H | NN | P NN | - C | C | NN | -CC/CCC |
|-------------------|---------------|------------|-----------------------------|---------------|--------------|-------------------------|---------|
| Center Wavelength | Average Power | Peak Power | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | |
| 1310=1310nm | 03= 300mW | 01= 100W | 5= 50/125um MM Fiber | B= Bare Fiber | 05=0.5m | N=Without Connector | |
| 1550=1550nm | 1= 1 Watts | 1= 1kW | 6= 62.5/125um MM Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 1590=1590nm | 5= 5 Watts | 3=3kW | 3= OM3 MM Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector | |
| | 20= 20 Watts | 10= 10kW | A= 105/125 NA=0.22 MM Fiber | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector | |
| | | | B= 105/125 NA=0.15 MM Fiber | | | | |