

# 0103 Circulator

## R4100-S

### 3 Ports 633 nm Optical Fiber Circulator, SM

The R4100-S has very low insertion loss, high return loss, high isolation and high stability & reliability. It can be used for fiber laser, fiber sensor, testing instrument and medical equipment.

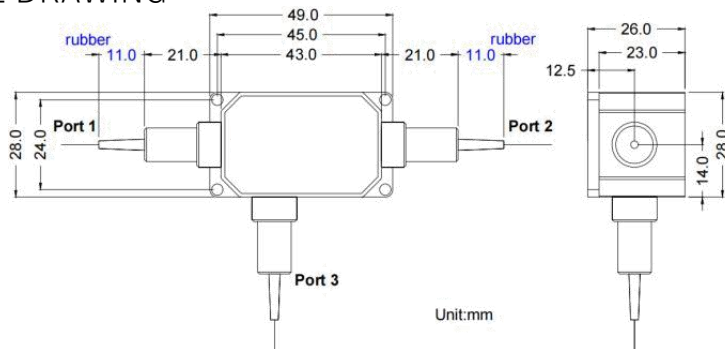
#### FEATURES

- High Isolation
- Low Insertion Loss
- High Return Loss
- High Stability & Reliability

#### USE IN

- Fiber Laser
- Testing Instrument
- Fiber Sensor
- Medical Equipment

#### MECHANICAL DRAWING



|   |                              |
|---|------------------------------|
| Port Type   | 3 Port                       |
| Center Wavelength                                 | 633 nm                       |
| Operating Wavelength Range                        | ±5 nm                        |
| Isolation at 23°C                                 | 22 dB typ. @Peak; 20 dB min. |
| Insertion Loss at 23°C                            | 1.5 dB typ.; 2.0 dB max.     |
| Polarization Dependent Loss at 23°C               | 0.15 dB max.                 |
| Return Loss at 23°C (Input /Output)               | 40 dB min.                   |
| Cross Talk  | 40 dB min.                   |
| Average Optical Power (Including Port 1 & Port 2) | 0.5 W, 1 W, 2 W max.         |
| Peak Power for ns Pulse                           | 10 kW max. or Specified      |
| Tensile Load                                      | 5 N max.                     |
| Package Dimension                                 | 49x28x26 mm                  |
| Operating Temperature                             | +10°C to +50°C               |
| Storage Temperature                               | 0°C to +60°C                 |