



# 830nm Wideband Polarization Insensitive Optical Circulator



## Features

- Low Insertion Loss
- High Isolation
- Low PDL
- High Stability and Reliability
- Cost Effective

## Applications

- Optical Fiber Amplifier
- Pump Laser Source
- Fiber Optic Sensor
- Test and Measurement
- Instrumentation

## Performance Specifications

| Parameter                     | Specification                            |
|-------------------------------|--|
| Operating Wavelength(nm)      | 830±30                                   |
| Typical Peak Isolation(dB)    | 25                                       |
| Minimum Isolation * (dB)      | ≥20(@±10nm); ≥18(@±20nm); ≥16(@±30nm)    |
| Typical Insertion Loss** (dB) | 1.3(@830nm)                              |
| Maximum Insertion Loss** (dB) | ≤1.8(@±10nm); ≤2.0(@±20nm); ≤2.2(@±30nm) |
| Return Loss (dB)              | 50                                       |
| Cross Talk (dB)               | Max. 45 (Typ. 50)                        |
| PDL (dB)                      | Max. 0.2 (Typ. 0.1)                      |
| Wavelength Dependent Loss(dB) | 0.2                                      |
| Operating Temperature (°C )   | 0 ~ +65                                  |
| Storage Temperature (°C )     | -40 ~ +85                                |
| Fiber Type                    | See Order Information                    |
| Power Handling(mW)            | 400                                      |
| Dimensions (LxWxH) (mm)       | 62.6x28x27                               |

\* At 23°C over bandwidth

\*\* Does not include connector, splice and fiber-end fresnel Losses

## Ordering Information

| PIOC | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>       | <input type="checkbox"/>                       | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/>                                 |
|------|--------------------------|---|--------------------------|--------------------------------|--|--------------------------|---|
|      | Port                     | Wavelength  | Grade                    | Pigtail Style                  | Fiber Length                                   | Fiber Type               | In/Out Connector  |
|      | 3=3 Port                 | 83=830nm  | P=P Grade                | 1=Bare Fiber<br>2=900um Jacket | 1=0.25m<br>2=0.5m<br>3=1.0m<br>S=Custom Length | 1=HI 780                 | 0=None<br>1=FC/APC<br>2=FC/PC<br>3=SC/APC<br>4=SC/PC<br>5=ST<br>6=LC<br>X=Special |

## Dimensions (mm)

