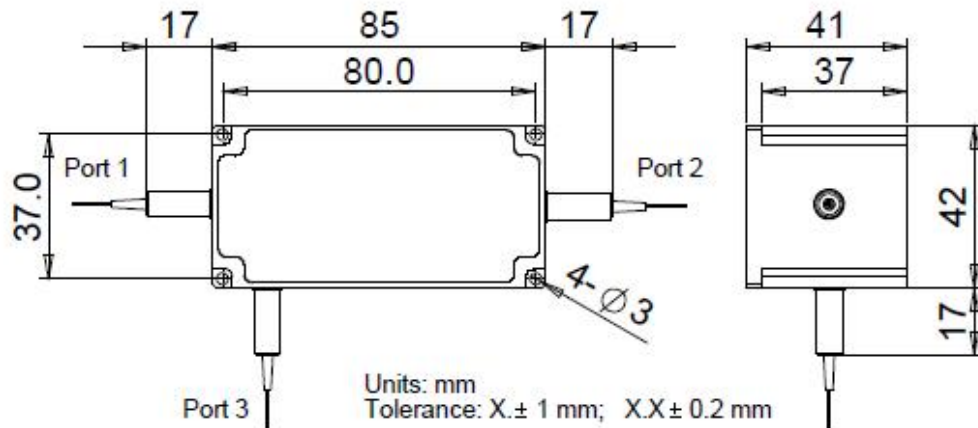


1064nm High Power Polarization Insensitive Circulator

Product description

The 1060 nm Polarization Insensitive Circulator is characterized with low insertion loss, high isolation, high power handling, high return loss. It is ideal for fiber laser .

| Specifications | | |
|--|------|----------------------------------|
| Parameter | Unit | Value |
| Center Wavelength (λ_c) | nm | 1064 |
| Operating Wavelength Range | nm | ± 35 |
| Max. Insertion Loss, 23 °C @ 1064 nm (Port 1 → 2) With Connector | dB | 1.20 |
| Max. Insertion Loss, 23 °C @ 1064 nm (Port 2 → 3) With Connector | dB | 1.00 |
| Max. Insertion Loss, 23 °C @ $\lambda_c \pm 35$ nm (Port 1 → 2) With Connector | dB | 1.50 |
| Max. Insertion Loss, 23 °C @ $\lambda_c \pm 35$ nm (Port 2 → 3) With Connector | dB | 1.30 |
| Min. Isolation, 23 °C @ 1064 nm (Port 2 → 1) | dB | 31 |
| Min. Isolation, 23 °C @ 1064 nm (Port 3 → 2) | dB | 32 |
| Min. Isolation, 23 °C @ $\lambda_c \pm 35$ nm (Port 2 → 1) | dB | 19 |
| Min. Isolation, 23 °C @ $\lambda_c \pm 35$ nm (Port 3 → 2) | dB | 20 |
| Min. Cross Talk (Port 1 → 3) | dB | 53 |
| Min. Return Loss With Connector | dB | 52 |
| Max. Polarization Dependent Loss, 23 °C (Port 1 → 2) | dB | 0.12 |
| Max. Polarization Dependent Loss, 23 °C (Port 2 → 3) | dB | 0.08 |
| Connector Type | - | FC/APC |
| Fiber Type | - | HI 1060 fiber, 900 um loose tube |
| Fiber Length | m | 1.0 |
| Max. Optical Power (Continuous Wave) | mW | 600 |
| Max. Tensile Load | N | 5 |
| Operation Temperature | °C | 10 to 50 |
| Storage Temperature | °C | 0 to 60 |

Package Dimensions


| Ordering Information | | | | | |
|----------------------|-------------------|-----------------------------------|---|-------------------------------------|---|
| HPCIR | Wavelength | Handling power | Pigtail Type | Fiber Length | Connector |
| 1x1 | 1064nm Specify | 50mW 100mW 200mW Specify | 250um bare fiber 900um loose tube Specify | 0.5m 1m 1.5m 2m Specify | N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify |