

1064nm High Power Free Space Isolator

FEATURES

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

APPLICATIONS

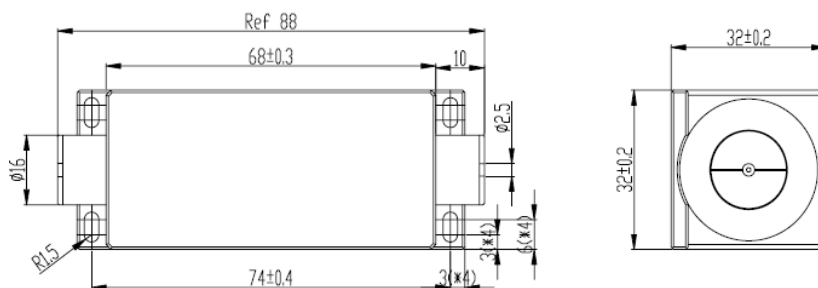
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

| Parameter | Unit | High Power Type |
|--|------|-----------------|
| Center Wavelength (λ_c) | nm | 1064 |
| Operating Wavelength Range | nm | +/-10 |
| Peak Isolation (Typ.) | dB | 30~35 |
| Min. Isolation (23°C) | dB | 23 |
| Typical Insertion Loss (λ_c , 23°C) | dB | 0.4 |
| Max. Insertion Loss (λ_c , 23°C) | dB | 0.6 |
| Clear Aperture | mm | 2.0 |
| Input Polarization Plane | - | As indicated |
| Maximum Optical Power | W | 1, 3, 5, 10, 20 |
| Operating Temperature | °C | 0~50 |
| Storage Temperature | °C | -20~75 |

Note: 1. Devices for higher optical power and pulse power are also available.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

| | | | | | |
|-------|--------------------------|-----|----------------------|---|-----------------------|
| FISF- | NNNN | -HP | NN | - | NN |
| | <i>Center Wavelength</i> | | <i>Optical Power</i> | | <i>Clear Aperture</i> |
| | 1064=1064nm | | 3=3W | | 20=2.0mm |
| | | | 10=10W | | |
| | | | 20=20W | | |