3-Port Optical Circulator for Pulse Power

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

Configuration		Unit	3-port
Working Wavelength		nm	1295-1325, 1470-1490 1530-1570, 1570-1610
Insertion Loss	(Typ.)	dB	1.0
	(Max.)	dB	1.2
Isolation	(Min.)	dB	20
Optical Return Loss		dB	≥45
Cross Talk		dB	≥45
Polarization Dependent Loss		dB	≤0.20
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
Fiber Tensile Load		N	5
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature		°C	0~50
Storage Temperature		°C	-20~75

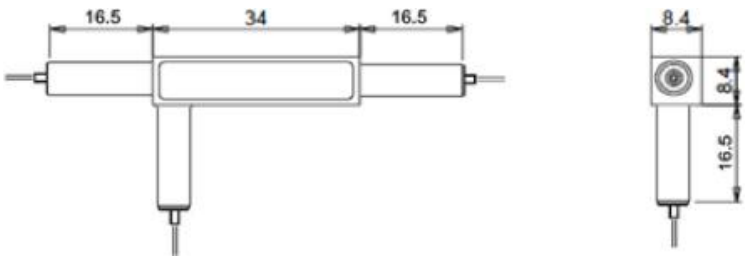
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FCIR- NNNN -3H 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	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1480=1480nm	1= 1W	1= 1kW	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550= 1550nm	5=5W	5= 5kW	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
1590= 1590nm	10=10W	10=10kW	*Blank* for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector