3-Port Optical Circulator with Both Axis Working for Pulse

Features

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

Applications

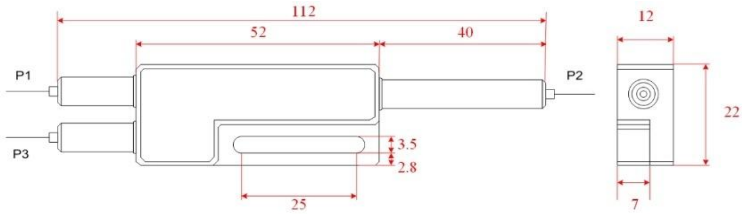
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

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	30
Optical Return Loss		dB	≥45
Cross Talk		dB	≥45
Extinction Ratio		dB	≥18
Work Mode		-	F Type, Can work both in slow axis and fast axis
Fiber Type		-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber NA=0.08 (O)
			10/130um PMDC Fiber NA=0.15 (O2),12/130um PMDC Fiber (T)
			25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)
Fiber Tensile Load		N	5
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
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
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5x50
(≤10W Average Power)	Metal Box	mm	L120xW12xH10

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, ER is 2dB Lower, Connector key is aligned to slow axis.
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.
5. Package size may be different for different optical power and fiber types.

Package Dimension (>10W Optical Power)



Ordering Information (PN)

FPCR-NNNN-F3- H NN P NN -(NN) - (C) C C NN - CC/CCC

Center Wavelength	Average Power	Peak Power	Average Power P2	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310= 1310nm	03=300mW	01=100W	1= 1W	M=Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1480=1480nm	1= 1W	1= 1kW	2= 2W	Blank for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550= 1550nm	5=5W	10=10kW	5=5W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590=1590nm	10=10W	20=20kW	Blank for P2=P1		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector