

1053nm 4-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

Parameter	Unit	Value
Center Wavelength	nm	1053
Operating Wavelength Range	nm	+/-10
Insertion Loss@ 23 °C	(Typ.)	dB
	(Max.)	dB
Optical Path	C Type	-
	D Type	-
	E Type	-
Isolation @ 23 °C	(Typ.)	dB
	(Min.)	dB
Optical Return Loss	dB	≥45
Polarization Dependent Loss	dB	≤0.2
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
Fiber Tensile Load	N	5
Max. Total Average Optical Power	W	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

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

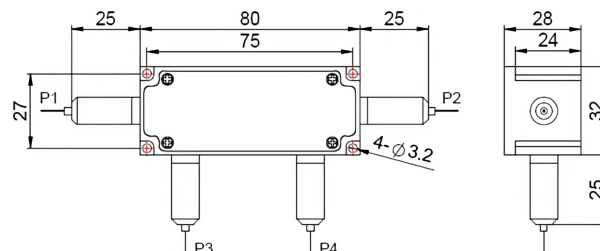
2. To add connectors, IL is 0.5dB higher, RL is 5dB lower.

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.

5 Package size may be different for different optical power, configuration and fiber types.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FCIR-NNNN	- (C)	-4H NN	P NN	-(NN/NN)	-(NN)	-(C)	C	NN	- CC/CCC
Center Wavelength	Optical Path	Average Power(Total)	Peak Power	Average Power P2/P3	Average Power P4	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1053-1053nm	D=D Type	05-500mW	01-100W	1- 1W	1- 1W	E=10/125 SC Fiber	B= Bare fiber	05-0.5m	N=Without Connector
	E=E Type	1-1W	1- 1kW	2- 2W	2- 2W	Q=20/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	Blank for C Type	5-5W	10- 10kW	5-5W	5-5W	R=25/250 DC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
		20-20W	20-20kW	Blank for P2/3-P1	Blank for None	Blank for HI1060 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

