830-850nm 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
Working Wavelength		nm	830±10, 850±10
Insertion Loss@23°C	(Typ.)	dB	1.0
	(Max.)	dB	1.6
Optical Path	C Type	-	1➔2, 2➔3, 3➔4 (Loss:4➔1 is Uncontrolled)
	D Type	-	1➔2, 2➔3, 3➔4, 4➔1
	E Type	-	1➔2, 2➔3, 3➔4 (4➔1 is Isolated)
Isolation@23°C	(Typ.)	dB	22
	(Min.)	dB	20
PDL		dB	≤0.2
Optical Return Loss		dB	≥45
Cross Talk		dB	≥40
Fiber Type		-	HI780 Fiber or 780HP Fiber
Fiber Tensile Load		N	5
Maximum Total Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
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.

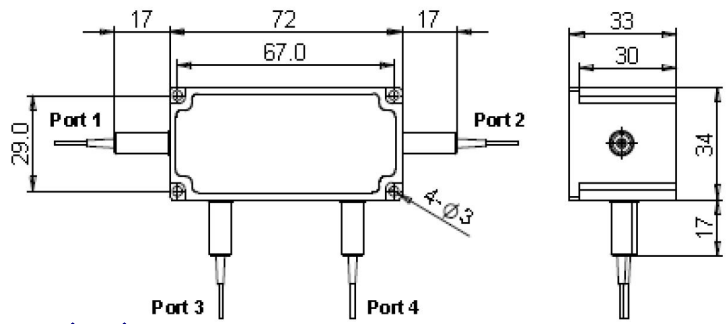
2. To add connectors, IL is 0.7dB higher, RL is 5dB lower.

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.

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

Dimension Drawing



Ordering Information (PN)

FCIR- NNN - (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
830=830nm	D=D Type	03= 300mW	01= 100W	1= 1W	1= 1W	7= 780HP Fiber	B= Bare fiber	05=0.5m	N=Without Connector
850=850nm	E=E Type	1= 1 Watts	1= 1kW	2= 2W	2= 2W	*Blank* for HI780 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for C Type	3= 3 Watts	3=3kW	5=5W	5=5W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		10= 10 Watts	10= 10kW	*Blank* for P2/3=P1	*Blank* for None		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector