

# 1040nm 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

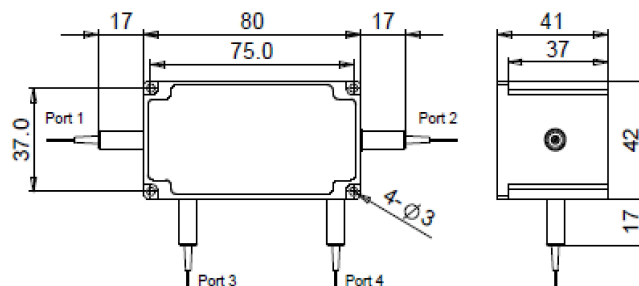
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

## SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	1040
Operating Wavelength Range	nm	+/-10
Insertion Loss@ 23 °C (1→2, 2→3, 3→4)	(Typ.) dB	1.4
	(Max.) dB	1.8
Isolation @ 23 °C (4→3, 3→2, 2→1)	(Typ.) dB	20
	(Min.) dB	18
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. 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	-10~65

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - 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.

## PACKAGE DIMENSION



## ORDERING INFORMATION (PN)

<b>FCIR-</b>	<b>NNNN</b>	<b>-4H</b>	<b>NN</b>	<b>P</b>	<b>NN</b>	<b>- (C)</b>	<b>C</b>	<b>NN</b>	<b>- CC/CCC</b>
<i>Center Wavelength</i>	<i>Average Power</i>		<i>Peak Power</i>		<i>Fiber Type</i>		<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
1040=1040nm	05=500mW		01=100W		E=10/125 SC Fiber		B= Bare fiber	05=0.5m	N=Without Connector
	1=1W		1= 1kW		Q=20/130 DC Fiber		L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	5=5W		10= 10kW		R=25/250 DC Fiber		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	20=20W		20=20kW		Blank for HI1060 Fiber		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector