

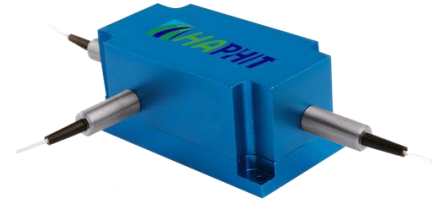
1030nm 3-port High Power Optical Circulator

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

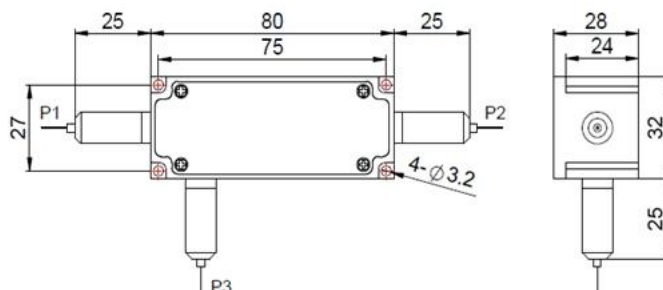


SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	1030
Operating Wavelength Range	nm	+/-10
Insertion Loss@ 23 °C (1→2 or 2→3)	(Typ.) dB (Max.) dB	0.8 1.7
Isolation @ 23 °C (3→2 or 2→1)	(Typ.) dB (Min.) dB	23 20
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
Maximum Optical Power	W	0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 60, 80, 100
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 size maybe different for different fiber type, optical power, etc.

DIMENSION DRAWING



ORDERING INFORMATION (PN)

FCIR-	NNNN	-3HP	NN	-	(NN)	-	(C)	C	NN	-CC/CCC
Center Wavelength	Optical Power	Optical Power P2	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type				
1030-1030nm	05-500mW	1-1W	E-10/125 SC Fiber	B- Bare fiber	05-0.5m	N-Without Connector				
	1-1W	2-2W	Q-20/130 DC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector				
	5-5W	5-5W	R-25/250 DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector				
	20-20W	Blank for P2=P1	Blank for HI1060 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector				