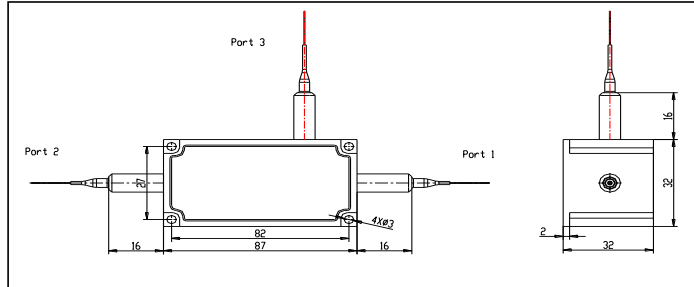


3-port Polarization Insensitive Optical Circulators, 1080nm

The 1080nm 3 port Polarization Insensitive Optical Circulator is a fiber optic componet built with single mode fiber. It allows light to be transmitted in only one direction while blocking the opposite transmttion, it's light path is port 1 to port 2, and port 2 to port 3. This fiber optic circulator is special designed for 1080nm operating with low insertion loss, and high power handling available upon request.



Features

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- High Power Handling Available

Applications

- EDFA & Raman Amplifier
- Fiber Sensor
- Test & Measurement
- WDM Systems

Performance Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	1080 or customized	nm
Bandwidth	± 20	nm
Configuration	1X2, (port 1→2, 2→3)	
Insertion Loss @ 1080nm, port 1→2, 2→3	1.7 (Max.), 1.4 (Typ.)	dB
Max. Insertion Loss @ 1060-1100nm, port 1→2, 2→3	2.0	dB
Isolation @ 1060-1100nm, port 2→1)	22 (Min.), 30 (Typ.)	dB
Isolation @ 1060-1100nm, 3→2)	13 (Min.), 21 (Typ.)	dB
PDL	0.25 (Max.), 0.15 (Typ.)	dB
Max. Wavelength Dependent Loss @ 1060-1100nm	0.4	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500 (higher available upon request)	mW
Fiber Type	HI 1060 Fiber	
Operating Temperature	5 to +45	°C
Storage Temperature	-40 to +85	°C
Package Dimension		mm

Note

* Above specifications are for device without connector . For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.
* Package dimension subject to change without notice.

Ordering Information

PICIR-AAAA-BB-C-DD-EE

AAAA	BB	C	DD	EE
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
1080 - 1080nm	H6 - HI 1060 Fiber	B - 250um Bare	05 - 0.5m	NE - None
SSSS - Specify	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
		L - 900um Loose	10 - 1.0m	FP - FC/PC
		Tube	15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify