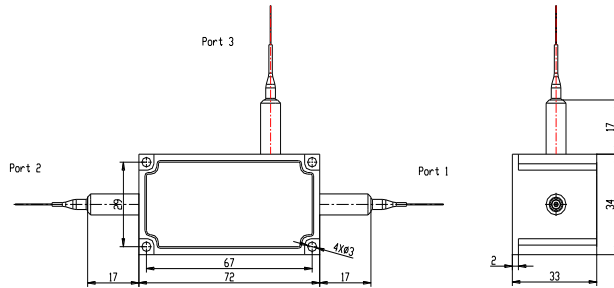


Broadband 3-port Optical Circulator 830 835 850nm

The Broadband 3 port 830 835 850 nm Polarization Insensitive Optical Fiber Circulator is a fiber optic component built with single mode fiber. It allows light to be transmitted in only one direction while blocking the opposite transmittion, it's light path is port 1 to port 2, and port 2 to port 3. These 830 835 or 850 nm wideband optical circulators are widely used in Optical Coherence Tomographys OCT systems.



Features

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- Broadband

Applications

- OCT
- Fiber Amplifier
- Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength (λc)	830, 835, 850 or customized	nm
Bandwidth	±30	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss (port 1→2, 2→3)	1.5	dB
Max. Insertion Loss (port 1→2, 2→3)	2.0	dB
Typ. Isolation (port 2→1, 3→2)	23	dB
Min. Isolation (port 2→1, 3→2)	18	dB
Max. PDL	0.25	dB
Min. Cross Talk (port 1→3)	45	dB
Min. Directivity	45	dB
Min. Return Loss	45	dB
Max. Optical Power (Continuous Wave)	500 (higher is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	HI 780 Fiber	
Operating Temperature	0 to +70	°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 size may change without notice.

Ordering Information

BPICIR-AAA-BB-C-DD-EE

AAA	BB	C	DD	EE
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
830 - 830nm	H7 - HI 780 Fiber	B - 250um Bare	05 - 0.5m	NE - None
835 - 835nm	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
850 - 850nm		L - 900um Loose	10 - 1.0m	FP - FC/PC
SSS - Specify		Tube	15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify