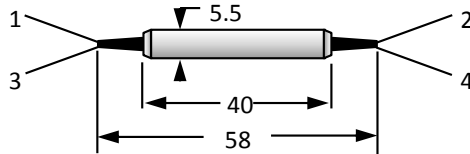


4-port mini Polarization Insensitive Optical Circulators

The 4 port mini 1310nm, 1550nm Polarization Insensitive Optical 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 transmission, its light path is port 1 to port 2, port 2 to port 3, and port 3 to port 4. The fiber optic circulator is widely used in optical fiber networks and fiber instruments. It features compact size.



Features

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

Applications

- EDFA
- Fiber Instrument
- DWDM OADM System
- Test & Measurement

Performance Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	1310, 1550 or customized	nm
Bandwidth	± 30	nm
Configuration	2X2, (port 1→2, 2→3, 3→4)	
Typ. Insertion Loss (λ_c , port 1→2, 2→3, 3→4)	0.8	dB
Max. Insertion Loss (λ_c , port 1→2, 2→3, 3→4)	1.0	dB
Typ. Isolation (λ_c , port 2→1, 3→2, 4→3)	55	dB
Min. Isolation (λ_c , port 2→1, 3→2, 4→3)	45	dB
Max. PDL	0.2	dB
Max. PMD	0.1	ps
Min. Cross Talk (port 1→3, 2→4)	50	dB
Min. Directivity	50	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500 (higher is available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	SMF-28e Fiber	
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	$\Phi 5.5 \times L40$	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.

Ordering Information

MNPICIR-AAAA-BB-C-DD-EE

AAAA	BB	C	DD	EE
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	22 - 2 X 2	B - 250um Bare	05 - 0.5m	NE - None
1480 - 1480nm		Tube	08 - 0.8m	FA - FC/APC
1550 - 1550nm		L - 900um Loose	10 - 1.0m	FP - FC/PC
SSSS - Specify		Tube	15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify