Polarization Insensitive Optical Circulator (PICIR)

Description

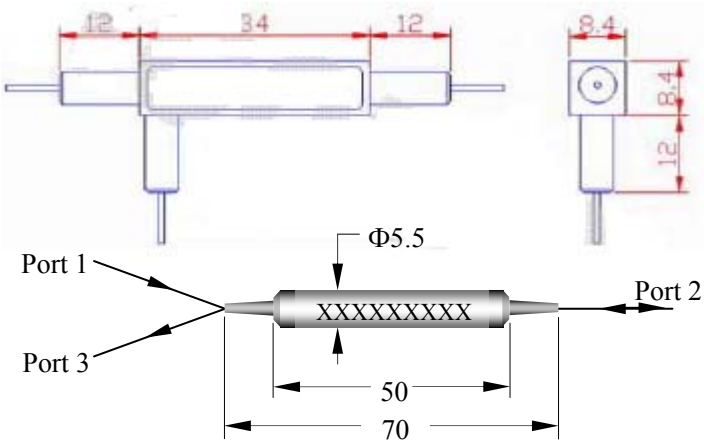
Circulator is taking advantage of extensive optical technologies, micro-optics expertise, high reliability packaging capability, feature excellent optical performance with low insertion loss, high return loss and low PDL, incoming signals from port1 to port2, and incoming port2 signals to port3, making it ideal for the application of EDFA, bi-direction add/drop, dispersion compensation and other optical application.

Key Features

* Low insertion loss
* High isolation
* Very small package size

Applications

* Optical application
* Metropolitan area network
*Dispersion compensation
*Research



Specifications

Parameter \ Type	1x2		2x2
Operating wavelength (nm)	1064±5	1310 or 1550±20	
Insertion loss (1→2, 2→3, 3→4)(dB)	≤2.0	≤0.8	≤1.0
Polarization dependent loss (dB)	≤0.2	≤0.1	≤0.2
Polarization mode dispersion (ps)	≤0.1	≤0.06	≤0.1
Isolation(2→1, 3→2, 4→3) (dB)	≥23	≥45	≥38
Directivity (dB)	≥45	≥50	
Return loss(dB)	≥50		
Power Handling (mW)	≤300	≤500	
Fiber type	HI1060	SMF-28e	
Operating temperature(℃)	-5 ~ +50	-5 ~ +70	
Storage temperature(℃)	-40 ~ +85		
Dimensions (mm)	L34 xW8.4 xH8.4	Φ5.5×L50	Φ5.5×L65

*IL is 0.3dB (1310~1550nm) or 0.5dB (1064nm) higher, RL is 5dB lower for each connector added.

Ordering Information

PICIR-XXX-XXXX-X-X-XX/XXX-XX*XX

- XX: Package Size: 5.5×50, 5.5×68 etc.
- XX: Connector: FC/UPC, FC/APC etc.
- X: Fiber Type: 0=SMF-28e, 1=HI1060, 4=others
- X: Pigtail Type: 0=250μm, 1=900μm
- XXX: Operating Wavelength: 1310nm, or 1550nm etc.
- XXXX: Port: 1x2，2×2