Polarization Insensitive Circulator (1x2 PICIR, 1625nm)

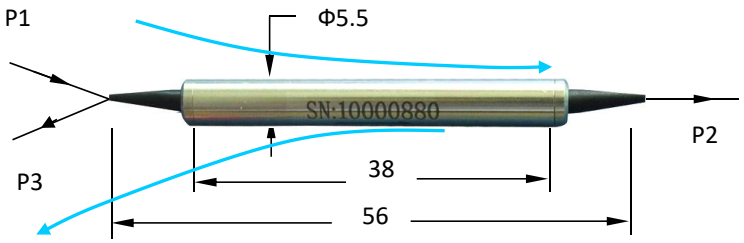
1. Description

The Polarization Insensitive Circulator is used for routing light path, widely used in sensoring communication system, features low insertion loss, high cross talk and high reliability and stability.

2. Features

Compact size

High Channel Isolation



3. Applications

Routing and sensoring

Dispersion Compensation

4. Specifications

Parameters	Unit	Specification
Operating wavelength Range	nm	1625±10
Insertion loss (1-2, 2-3 @λOp, TOp, all states of polarization) at 23℃	dB	≤1.0
Polarization Dependent Loss (PDL)	dB	≤0.15
Polarization Mode Dispersion (PMD)	dB	≤0.10
Isolation (2-1, 3-2 @λOp, TOp, all states of polarization) at 23℃	dB	≥40
Directivity	dB	≥50
Return Loss	dB	≥50
Power handling(CW)	mW	≤500
Pigtail length	m	1.0±0.1
Port color	---	Port 1: black, Port 2 and 3: clear (natural)
Tensile Load	N	≤5
Operating Temperature	℃	0 to +70
Storage Temperature	℃	-40 to +85

Remark

* Above specifications are tested at room temperature without connector.

With connector, 0.2dB higher for IL & 5dB lower for RL per connector.

5. Ordering Information

PICIR - 1x2 - □ - □ - □ - □ - □ - □ □

Wavelength	Fiber type	Pigtail type	Connector	Package size	Fiber length
1625	0=SMF-28 ultra 1=G657A	0=Bare fiber 1=0.9mm loose tube	FC/PC, FC/APC SC/PC SC/APC etc.	ϕ5.5xL38 etc… etc…	0.5m 0.8m 1.0m etc.

Example： PICIR-1x2-1625-0-0-FC/PCx3-5.5x50-1m