

Polarization Insensitive Circulator (1x2 PICIR, 1310/C/C+L band)

1. Description

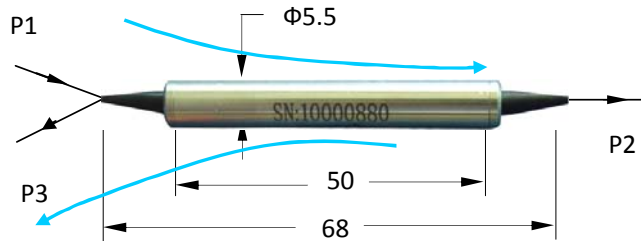
The Polarization Insensitive Circulator is used for routing light path, widely used in sensing communication system, features low insertion loss, high cross talk and high reliability and stability.

2. Features

- Compact size
- High Channel Isolation

3. Applications

- Routing and sensing
- Dispersion Compensation



4. Specifications

Parameters	Unit	Specification			
Operating wavelength Range	nm	1290-1330	1525-1565	1570-1610	1530-1610
Insertion loss (1-2, 2-3 @λOp, TOP, all states of polarization)	dB	≤0.8			≤0.9
Polarization Dependent Loss (PDL)	dB	≤0.15			≤0.2
Polarization Mode Dispersion (PMD)	dB	≤0.10			
Isolation (2-1, 3-2 @λOp, TOP, all states of polarization)	dB	≥40			≥32
Directivity	dB	≥50			
Return Loss	dB	≥45			
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	°C	0 to +70			
Storage Temperature	°C	-40 to +85			

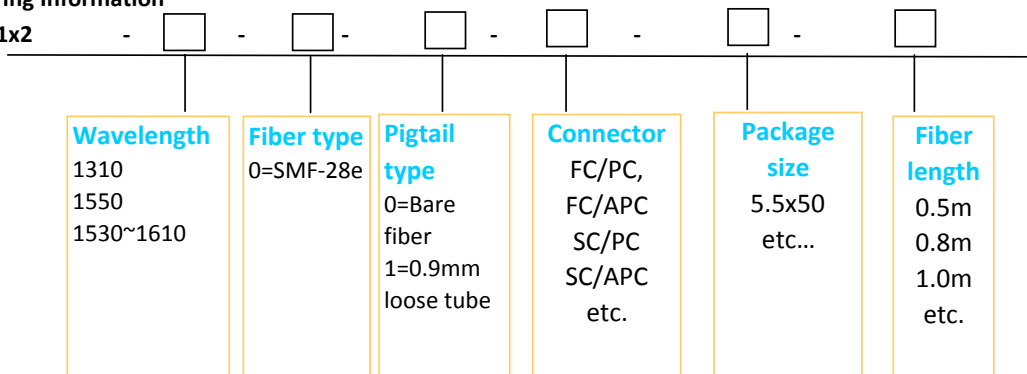
Remark

* Above specifications are for device without connector.

With connector, 0.3dB higher for IL & 5dB lower for RL per connector.

5. Ordering Information

PICIR - 1x2



Example: PICIR-1x2-1550-0-0-FC/PCx3-5.5x50-1m