

Polarization Independent Optical Circulator

Optowaves' polarization independent optical circulator has many applications. It routes incoming signal from port 1 to port 2 and another signal from ports 2 to port3. The device provides excellent performance, stability and has met Bellcore-1209 requirements.



Features

- High Isolation
- Ultra Low PDL & PMD
- Low Insertion Loss
- High Return Loss
- High Stability and Excellent Reliability

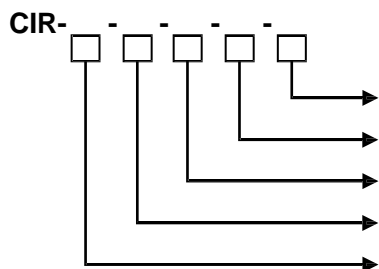
Applications

- WDM Networks Optical Fiber Amplifiers
- Single Fiber Bi-directional Transmission System
- Fiber Dispersion Compensation and OTDR
- Optical Coherence Tomography System

Specifications

Item	Unit	Specifications	
Port Number	--	3	
Center Wavelength	nm	1310 or 1550	
Bandwidth	nm	±30	
Transmission Direction	--	Port 1 to 2, 2 to 3	
Grade	--	P	A
Insertion Loss	dB	≤ 0.80	≤ 1.00
Polarization Mode Dispersion	ps	≤ 0.03	≤ 0.05
Return Loss	dB	≥ 50	
Isolation	dB	≥ 45 (Bandwidth ±30nm) ≥ 40 (Bandwidth ±50nm)	
Polarization Dependent Loss	dB	≤ 0.15	
Max. Optical Power	mW	≤ 300	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

Ordering Information



Connectors Type: FC/PC, FC/APC, SC/PC, SC/APC, LC/PC or others

Cable Type: 025:Φ0.25mm, 09:Φ0.9mm

Grade: P: Premium, A: Grade A

Center Wavelength: 131:1310nm, 155:1550nm

Port Number: 3: 3ports