

Optical Circulator



Product Introduction

Polarization independent optical circulator is a micro-optic passive Pb-free device based on patented technology. It features excellent optical characteristics with compact package and high stability. We have both 3-ports Circulator and 4-ports Circulator. The products are Telcordia GR-1221-CORE qualified and RoHS compliant.

Features

- Low insertion loss
- High isolation, High return loss
- Low polarization dependent loss

Applications

- DWDM and OADM networks
- Bi-directional transmission
- EDFA, DWDM and OTDR

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameter	Unit	Specifications		
Port Number		3 ports		4 ports
Wavelength		1310,C,L	C+L	C

Insertion Loss(λ_c , 23°C, all SOP)	dB	0.8 (P grade); 0.9 (A grade)		
Isolation(λ_c , 23°C, all SOP)	dB	≥ 40	≥ 40	≥ 40
Isolation(Over all λ , T, all SOP)	dB	≥ 35	≥ 30	≥ 35
PDL	dB	0.1 (P grade); 0.15 (A grade)		0.15 (P grade); 0.2 (A grade)
Return Loss	dB	≥ 50		
TDL	dB	≤ 0.2		
WDL	dB	≤ 0.2	≤ 0.4	≤ 0.2
PMD	ps	≤ 0.05		
Input Optical Power	mW	500		
Directivity	dB	≥ 50		
Operation Temperature	°C	0~+70		
Storage Temperature	°C	-40~+85		
Package	mm	$\Phi 5.5*50$; $\Phi 5.2*38$	$\Phi 5.5*64$	

Notes: Insertion loss doesn't include connector loss.

Ordering Information

CIR-□-□-□-□-□-□



Connector: 00: no connector、FC、SC、LC/PC、APC

Fiber length: 1: 1m、customer specify

Fiber Dia.: 09: $\Phi 0.9\text{mm}$ 、025: $\Phi 0.25\text{mm}$

Grade: P: P grade、A: A grade

Wavelength: 1310: 1310nm、1550: 1550nm

Port Number: 3: 3 ports、4: 4 ports