

Optical Circulator



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 system
- Optical fiber amplifier, Fiber dispersion compensation and OTDR

Specifications

Parameter	Unit	Value		
Port Number		3 ports		4 ports
Wavelength		1310,C,L	C+L	C
Insertion Loss(λ c,23°C,all SOP)	dB	0.8(Grade P);0.9(Grade A)		
Isolation(λ c,23°C,all SOP)	dB	≥ 40	≥ 40	≥ 40
Isolation(Over all λ ,T,SOP)	dB	≥ 35	≥ 30	≥ 35
PDL	dB	0.1(Grade P)0.15(Grade A)	0.15(Grade P),0.20(Grade A)	
Return Loss	dB	≥ 50		
TDL	dB	≤ 0.2		
WDL	dB	$\leq 0.2(1310\text{nm/C band/Lband})$; $\leq 0.4(\text{C+L band})$		
PMD	ps	≤ 0.05		
Input Optical Power	mW	500		
Directivity	dB	≤ -50		
Operation Temperature	°C	0~70		
Storage Temperature	°C	-40~+85		
Package	mm	$\Phi 5.5 \times 50$		$\Phi 5.5 \times 64$

Note : Insertion loss doesn't include connector loss.

Ordering information

CIR	-		-		-		-		-		-	
Port Number		Wavelength		Grade	Fiber Dia.		Fiber Length		Connector			
3:3ports		131:1310nm		P:P Grade	025: Φ 0.25mm		1:1.0m		00: no connector、			
4:4ports		155:1550nm		A:A Grade	09: Φ 0.9mm		customer specify		FC,SC,LC,MU/PC,UPC,APC			