

1310/ 1550nm Optical Circulator (Polarization Insensitive)



Features

- Low Insertion Loss
- Wide Band High Isolation
- Low PDL
- Compact In-Line Package
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

- Optical Amplifier
- Metro Area Network
- Wavelength Add / Drop
- Dispersion Compensation
- Bi-Direction Communication

Fiberer's polarization insensitive optical circulator utilizes proprietary designs and metal bonding micro optics packaging. It provides low insertion loss, broad band high isolation, low PDL, excellent temperature stability and optical path epoxy free. It can be used for wavelength add/drop, dispersion compensation and EDFA application. All Fiberer products are Telcordia qualification tested.

Performance Specifications

Parameter		P Grade	A Grade
Configuration		Port 1 to Port2 to Port 3	
Operation Wavelength (nm)		1310±30 or 1550±30 or 1585±30	
Insertion Loss (dB)	Typical	0.6	0.8
	Maximum	0.8	1.0
Channel Peak Isolation (dB)		≥50	
Channel Minimum Isolation(dB)		≥40	



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Channel Cross Talk (dB)	≥50
Polarization Dependent Loss (dB)	≤0.15
Polarization Mode Dispersion (ps)	≤0.1
Return Loss (dB)	≥50
Power Handling (mW)	300
Operating Temperature(°C)	0 ~ +70
Storage Temperature (°C)	-40 ~ +85
Dimensions (mm)	5.5 x L67

Specifications may change without notice

Ordering Information

PIOC



Port	Wavelength	Grade	Pigtail Style	Fiber Length	In/Out Connector
3=3 Port	13=1310nm	P=P Grade	1=250um Bare Fiber	1 = 1m	0=None
	15=1550nm	A=A Grade	2=900um Jacket	2 =2m	1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC
	16=1585nm				