

Fiber optic circulator

Our polarization independent optical circulator is based on a patented technology. It is a multi-port input and output passive component which can transmit along three irrelative ways of port1 to port2, port2 to port3 and port3 to port4 but the light cannot passe in the reversed direction. It is marked with an ultra compact package and excellent quality stability. It meets Telcordia GR-1221-CORE requirements.

Features of our circulator:

- Low insertion loss, Low PDL
- High isolation
- Low polarization dependent loss
- Epoxy-free optical path
- Low cross talk

Applications for our circulator:

- DWDM networks
- Fiber optical dispersion compensation and OTDR
- Fiber optic amplifiers
- OADM



Figure. CIR

Specifications:

Parameter	Unit	Value	
Port Number		3	4

Wavelength range	nm	1310, C, L	C+L	1310, C, L
Bandwidth	nm	1310+/-30 or 1550+/-30		
Transmission Direction		Port 1>2, 2>3		Port 1>2, 2>3, 3>4
Insertion Loss	dB	P grade <=0.8		A grade <=0.9
Return Loss	dB	>=50		
TDL	dB	0.15		
WDL	dB	0.15		
Isolation (Alpha C, 23C, all SOP)	dB	>=50	>=40	>=45
Isolation (Over all alpha, T, SOP)	dB	>=40	>=30	>=35
PDL	dB	P grade<=0.1	A grade <=0.15	P grade <=0.1 A grade <=0.2
PMD	ps	<=0.05		
Max. Optical Power	mW	500		
Operation Temperature	°C	0~+70		
Storage Temperature	°C	-40~+85		
Dimension	mm	Diam. 5.5x50		Diam. 5.5x62

Note: All insertion loss excludes connector loss

Ordering information:

- Port number: 3 ports, 4 ports
- Wavelength: 1310nm, 1550nm, L: 1570~1610nm, CL: 1525~1610nm
- Grade: P grade, A grade
- Cable diameter: 250um , 900um
- Fiber length: 1m, customer request
- Connector: no connector, FC/PC, FC/APC, others



We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com