

# Product Specification

## Optical Circulator 3-Port

### Polarization Maintaining 3-Port Optical Circulator

#### 1. Features

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

#### 2. Applications

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



#### 3. Performance Specifications

Parameter	P Grade	A Grade
Configuration	Port 1 to Port 2 to Port3	
Operating Wavelength (nm)	1310 ±40 or 1550 ±40	
Insertion Loss (dB)	Typical	0.6
	Maximum	0.8
Channel Peak Isolation (dB)	≥40	
Channel Isolation (dB)	≥30	
Channel Minimum Isolation (dB)	≥25	
Extinction Ratio(dB)	>20	
Channel Cross Talk (dB)	>50	
Polarization Dependent Loss (dB)	<0.15	
Polarization Mode Dispersion (ps)	<0.1	
Return Loss (dB)	>50	
Optical Power Handling (mW)	300	
Operating Temperature (°C)	0 ~ 70	

Parameter	P Grade	A Grade
Storage Temperature (°C)	-40 ~ 85	
Fiber Type	400um Panda PM Fiber, or Custom Fiber	
Package Dimension (mm)	OD5.5 x L65 for bare fiber and L68 for 900um loose tube	

#### 4. Ordering Information

Wavelength	13=1310, 15=1550
Grade	A=A Grade, P=Premium
Fiber Type	1=250um Bare fiber, 2 =900um loose tube
Fiber Length	A =1 Meter, X=others
Connector	0=None, 1=FC/APC, 2=FC/PC, 3=SC/APC, 4=SC/PC, 5=ST, 6=LC

#### 5. Mechanical Dimensions (mm)

