

1625~1750nm 3-port Optical Circulator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing



SPECIFICATIONS

Configuration	Unit	3-port	
Working Wavelength	nm	1625±15, 1650±10, 1700±10, 1730±10, 1750±10	
Insertion Loss	(Typ.)	0.8	
	(Max.)	1.4	
Isolation @ 23 °C	(Typ.)	40	
	(Min.)	30	
Optical Return Loss	dB	≥45	
Cross Talk	dB	≥45	
Polarization Dependent Loss	dB	≤0.20	
Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x50
	Metal Box	mm	L120x ^W 12x ^H 10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 4. Package size may be different for different optical power and fiber types.

ORDERING INFORMATION (PN)

FCIR-	NNNN	- 3	(C)	C	NN	- CC/CCC
<i>Center Wavelength</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>		
1625~1625nm	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector		
1650~1650nm	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
1700~1700nm	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector		
1750~1750nm	Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		