

# M-CN POLARIZATION INDEPENDENT CIRCULATORS

## Features:

- Extra high isolation
- Low PDL
- PMD free
- Low cross-talk
- Low insertion loss
- Environmentally stable
- Epoxy-free optical path

## Applications:

- Optical amplifier
- Optical transmitter
- CATV
- Testing instruments
- Bi-directional transmission system
- Dense WDM
- Add/Drop Multiplexer (ADM)
- Dispersion compensation



## Performance Specifications:

ITEM	Polarization Independent Circulators		
	Type A	Type B	Wideband (5W)
Configurations	Port 1 → 2 → 3		
Operating wavelength, nm	1310 or 1550 (±20)		1470 ~ 1610 nm
Minimum Isolation, dB (at 25°C, all SOP)	40	35	30 (1470~1610nm) 38 (1520~1580nm)
Maximum Insertion Loss, dB (at 0 ~ 70°C, all SOP)	0.8	1.0	1.4 (1470~1490nm) 1.3 (1490~1500nm) 1.1 (1500~1600nm) 1.4 (1600~1610nm)
Polarization dependent Loss, dB	≤0.15		≤ 0.20
Maximum Optical Power, mW	500		
Return Loss, dB (input/output)	≥50		
Polarization Mode Dispersion, ps	≤0.1		
Operating Temperature, °C	0 ~ +70		
Storage Temperature, °C	-40 ~ +85		
Dimension, mm	Ø 5.5 x 60		

Note: 1. SOP = States of Polarization  
2. I.L.: Without Connector Loss.

# POLARIZATION INDEPENDENT CIRCULATORS

## Ordering Information:

M - CN -  -  - E -  -  /

### Operating Wavelength

5A	1550nm+/-20nm (Type A)	3A	1310nm+/-20nm (Type A)
5B	1550nm+/-20nm (Type B)	3B	1310nm+/-20nm (Type B)
5W	1470nm-1610nm (Wideband)		
XX	Others, please specify		

### Pigtail Type (for both ends)

C	Coated SM fiber (250μm)
L	Loose tube SM fiber (900μm)
X	Others, please specify

### Pigtail Length (for each end)

1	1 meter	A	0.5 meter
2	2 meter	B	1.5 meter
X	Others, please specify		

### Connector Type (port 1 / port 2 & port 3)

FC	FC type	AP	FC/APC type
SC	SC type	AS	SC/APC type
ST	ST type	MU	MU type
LC	LC type	NC	None
XX	Others, please specify		