

## SINGLE MODE 3 PORT OPTICAL CIRCULATOR

### Specifications

Parameter	Unit	Value
Wavelength Range	nm	1310+/-30, 1550+/-30
Transmitting Direction		1→2, 2→3
Insertion Loss (1→2, or 2→3)	dB	Typ. 0.6, Max. 0.8
Channel Isolation (2→1, or 3→2)	dB	>40
PDL	dB	≤0.1
PMD	ps	≤0.1
Return Loss	dB	≥55
Cross Talk (1→3, or 3→1)	dB	≥50
Operating Temperature	°C	-20~70
Storage Temperature	°C	-40~85
Input Power	mW	1000
Package Dimension	mm	Φ5.5 x L50

### Ordering Information

CIR	Port	Wavelength	Fiber Type	Fiber Length	Connector
CIR	3=3 Port	13=1310nm	B= SMF-28, 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others
	4=4 Port	15=1550nm L=1565~1625nm CL=1520~1625nm	L= SMF-28, 900um  X=Others	15=1.5m 20=2.0m  XX=Others	

## SINGLE MODE 4 PORT OPTICAL CIRCULATOR

### Specifications

Parameter	Unit	Value
Wavelength Range	nm	1310+/-30, 1550+/-30
Transmitting Direction		1→2, 2→3, 3→4
Insertion Loss (1→2, or 2→3, or 3→4)	dB	Typ. 0.7, Max. 0.9
Channel Isolation (4→3, or 3→2, or 2→1)	dB	>40
PDL	dB	<=0.15
PMD	ps	<=0.05
Return Loss	dB	>=50
Cross Talk (1→4, or 1→3, or 2→4, or 3→1, or 4→2, or 4→1)	dB	>=50
Operating Temperature	°C	-20~70
Storage Temperature	°C	-40~85
Input power	mW	1000
Package Dimension	Mm	Φ5.5 x L65

### Ordering Information

CIR	Port	Wavelength	Fiber Type	Fiber Length	Connector
CIR	3=3 Port 4=4 Port	13=1310nm 15=1550nm L=1565~1625nm CL=1520~1625nm	B= SMF-28, 250um L= SMF-28, 900um  X=Others	10=1.0m 15=1.5m 20=2.0m  XX=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others

## SINGLE MODE C+L BAND OPTICAL CIRCULATOR

### Specifications

Parameter	Unit	Value
Wavelength Range	nm	1520~1625
Transmitting Direction		1→2, 2→3
Insertion Loss (1→2, or 2→3)	dB	Typ. 0.8, Max. 1.0
Channel Isolation (2→1, or 3→2)	dB	>40
PDL	dB	<=0.15
PMD	ps	<=0.1
Return Loss	dB	>=50
Cross Talk (1→3, or 3→1)	dB	>=50
Operating Temperature	°C	-20~70
Storage Temperature	°C	-40~85
Input Power	mW	1000
Package Dimension	mm	Φ5.5 x L50

### Ordering Information

CIR	Port	Wavelength	Fiber Type	Fiber Length	Connector
CIR	3=3 Port	13=1310nm	B= SMF-28, 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others
	4=4 Port	15=1550nm L=1565~1625nm CL=1520~1625nm	L= SMF-28, 900um  X=Others	15=1.5m 20=2.0m  XX=Others	