

## Multimode 3-port 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

Parameter	Unit	Value	
Center Wavelength	nm	1310, 1550, 1590	
Bandwidth	nm	+/-15	
Insertion Loss	(Typ.)	dB	0.8
	(Max.)	dB	1.2
Isolation	(Typ. Peak)	dB	1.1
	(Min.)	dB	1.8
Optical Return Loss	(Typ. Peak)	dB	35
	(Min.)	dB	25
Optical Return Loss	dB	≥30	
Cross Talk	dB	≥30	
Fiber Type	-	50/125 MM Fiber 62.5/125 MM Fiber OM3 MM Fiber	105/125um MM Fiber
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	SST Tube	mm	(Φ)5.5x(L)75
	Plastic Box		(L)90X(W)20X(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 10dB lower.

3. Above specifications are measured at low order modes.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

<b>FMCR-</b>	<b>NNNN</b>	-	<b>(C)</b>	<b>C</b>	<b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
<i>Center Wavelength</i>			<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
1310-1310nm			B= Plastic Box	5= 50/125um MM Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1550-1550nm			Blank for SST or	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1590-1590nm			105um Fiber	3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				A= 105/125 NA=0.22 MM Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
				B= 105/125 NA=0.15 MM Fiber			