

1625~1650nm 3-port Optical PM Circulator

FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ High Reliability and Stability
- ▣ Various Bandwidth
- ▣ High Optical Power

APPLICATIONS

- ▣ Broadband Systems
- ▣ Optical Amplifying Systems
- ▣ Telecommunication Networks
- ▣ Research Labs
- ▣ Laser Systems



SPECIFICATIONS

Configuration		Unit	3-port
Working Wavelength		nm	1625+/-15, 1650+/-10
Insertion Loss	(Typ.)	dB	0.8
	(Max.)	dB	1.2
Isolation @ 23 °C	(Typ.)	dB	30
	(Min.)	dB	23
Optical Return Loss		dB	≥50
Cross Talk		dB	≥50
Extinction Ratio		dB	≥18
Work Mode	S Type	-	Can only work in slow axis
	F Type	-	Can work both in Slow and Fast Axis
Fiber Type		-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		mW	300
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)5.5x35 (S Type), (Φ)5.5x65 (F Type)
	Metal Box	mm	(L)120x(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, ER is 2dB Lower, Connector key is aligned to slow axis.
 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 fiber type.

ORDERING INFORMATION (PN)

FPCR-	NNNN	- (C)	3	(C)	C	C	NN	- CC/CCC
<i>Center Wavelength</i>	<i>Work Mode</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>		
1625~1625nm	F=F Type	M=Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector		
1650~1650nm	Blank for S Type	Blank for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
			T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
			R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		