

1625-1650nm High Power 3-Port 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	1.0	
	(Max.)	dB	1.6	
Isolation@23°C	(Min.)	dB	20	
Optical Return Loss		dB	≥45	
Cross Talk		dB	≥45	
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	
Max. Optical Power (CW)		W	1, 2, 3, 5, 10	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	S Type	mm	∅5.5x35
		F Type	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, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. 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.
 5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCR-	NNNN	- (C)	3HP	NN	- (NN)	- C	C	NN	- CC/CCC
Center Wavelength	Work Mode	Optical Power	Optical Power P2	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
1625-1625nm	F-Type	1-1W	1-1W	2-PM1310/1550 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector		
1650-1650nm	Blank for S Type	2-2W	2-2W	0-10/125 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector		
		5-5W	5-5W	T-12/130 PMDC Fiber	2-2mm Cable	15-1.5m	LC/PC=LC/PC Connector		
		10-10W	Blank for P2-P1	R-25/250 PMDC Fiber	3-3mm Cable	20-2.0m	SC/UFC=SC/UFC Connector		