

1030nm High Power 4-port PM Optical Circulator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

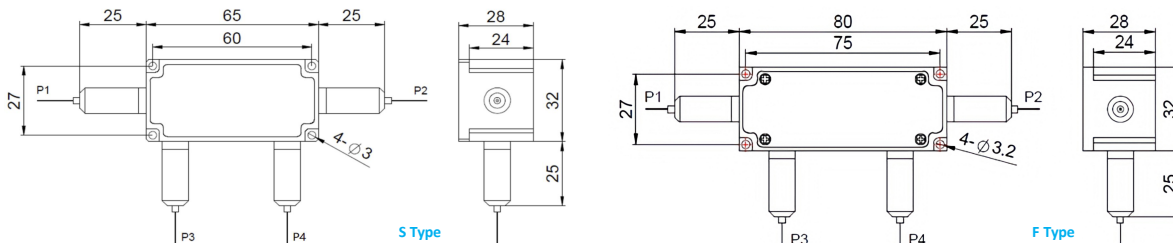
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	1030
Operating Wavelength Range	nm	+/-10
Insertion Loss@ 23 °C	(Typ.)	0.9
	(Max.)	1.7
Optical Path	C Type	1→2, 2→3, 3→4 (Loss:4→1 is Uncontrolled)
	D Type	1→2, 2→3, 3→4, 4→1
	E Type	1→2, 2→3, 3→4 (4→1 is Isolated)
Isolation @ 23 °C	(Typ.)	23
	(Min.)	20
Optical Return Loss	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	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
		10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W)
		20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5
Maximum Total Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.
 - Package size may be different for different optical power, configuration and fiber types.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FPCR- NNNN - (C) (C) -4HPNN - (NN/NN) - (NN) - C C NN - CC/CCC

Center Wavelength	Work Mode	Optical Path	Optical Power(Total)	Optical Power P2/P3	Optical Power P4	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030-1030nm	F=F Type	D=D Type	03- 300mW	1- 1W	1- 1W	2-PM980Fiber	B- Bare Fiber	05-0.5m	N=Without Connector
	Blank for S Type	E=E Type	5- 5 Watts	2- 2W	2- 2W	E-PM1060L Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
		Blank for C Type	10- 10 Watts	5-5W	5-5W	Q=20/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
			25- 25 Watts	Blank for P2/3-P1	Blank for None	R=25/250 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/APC=SC/APC Connector

