

1053nm High Power 4-port PM Circulator for Pulse Power

FEATURES

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

APPLICATIONS

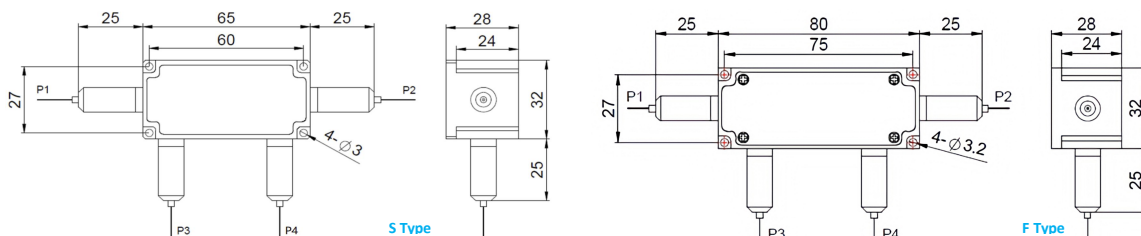
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength		nm	1053
Operating Wavelength Range		nm	+/-10
Insertion Loss@ 23 °C	(Typ.)	dB	0.9
	(Max.)	dB	1.5
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.)	dB	23
	(Min.)	dB	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), 15/130um PMDC Fiber (W)
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load		N	5
Max. Total Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
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)	-4HNN	P NN	-(NN/NN)	-(NN)	- C	C	NN	-CC/CCC
Center Wavelength	Work Mode	Optical Path	Average Power(Total)	Peak Power	Average Power P2/P3	Average Power P4	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1053=1053nm	F=F Type	D=D Type	03=300mW	01=100W	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	1=1kW	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=5kW	5=5W	5=5W	Q=20/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			20=20 Watts	10=10kW	Blank for P2/3=P1	Blank for None	R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/APC=SC/APC Connector

