

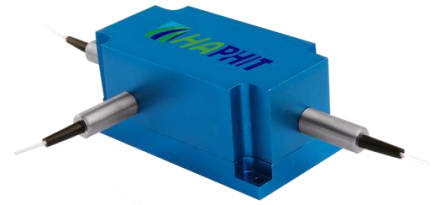
## 1053nm High Power 3-port PM Optical Circulator

### 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

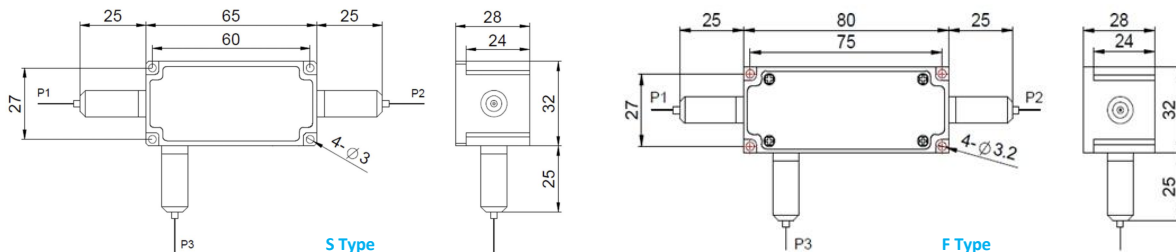


### SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	1053
Operating Wavelength Range	nm	+/-10
Insertion Loss@ 23 °C (1→2 or 2→3)	(Typ.)	0.8
	(Max.)	1.5
Isolation @ 23 °C (3→2 or 2→1)	(Typ.)	23
	(Min.)	20
Work Mode	S Type	Can only work in slow axis
	F Type	Can work both in slow axis and fast axis
Optical Return Loss	dB	≥45
Extinction Ratio	dB	18
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
Maximum 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	-10~65

- 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 maybe different for different fiber type, optical power, etc.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

FPCR-	NNNN	-(C)	3HP NN	- (NN)	- C	C	NN	-CC/CCC
Center Wavelength	Work Mode	Optical Power	Optical Power (2-3)	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1053=1053nm	F=F Type	03= 300mW	1= 1W	2=PM980Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
	Blank for S Type	5= 5 Watts	2= 2W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
		10= 10 Watts	5=5W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
		25= 25 Watts	Blank for Same P1-2	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	