

## 2030~2070nm 3-port Optical Circulator for Pulse Power

### FEATURES

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

### APPLICATIONS

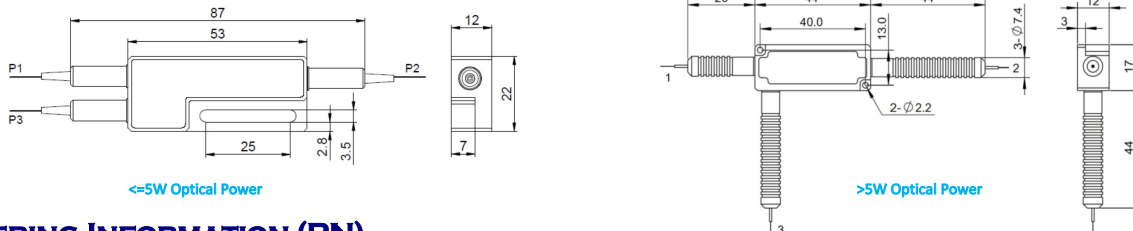
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

### SPECIFICATIONS

Parameter	Unit	A Type	B Type	C Type
Working Wavelength ( $\lambda$ )	nm	2030 $\pm$ 10, 2050 $\pm$ 10, 2070 $\pm$ 10		
Insertion Loss@23°C	Typ.	dB	1.9	1.5
	Max.	dB	2.8	2.2
Isolation@23°C	(Typ.)	dB	32	22
	(Min.)	dB	28	18
Extinction Ratio	dB	$\geq$ 18		
Optical Return Loss	dB	$\geq$ 45		
Cross Talk	dB	$\geq$ 40		
Work Mode	S Type	-	Can only work in slow axis	
	F Type	-	-	Both Axis working
Fiber Type	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)		
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.3, 0.5, 1, 2		0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
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		
Package	Stainless Steel Tube (SST)	mm	$\varnothing$ 5.5xL35	
Dimension	Metal Box	mm	L120x <sup>W</sup> 12x <sup>H</sup> 10	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.3dB 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 and fiber types.

### PACKAGE DIMENSION (TYPE C)



### ORDERING INFORMATION (PN)

FPCR-NNNN	-(C)	3(C)	-H NN	P NN	-(NN)	-(C)	C	C	NN	-CC/CCC
Center Wavelength	Work Mode	Type	Average Power	Peak Power	Average Power P2	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2030-2030nm	F=F Type	A=A Type	03=300mW	01=100W	1=1W	M=Metal Box	2=PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
2050-2050nm	Blank for S Type	C=C Type	1=1W	1=1kW	2=2W	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2070-2070nm		Blank for B Type	5=5W	5=5kW	5=5W	or C Type	O=10/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		or C Type(>2W Power)	10=10W	10=10kW	Blank for P2=P1		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/APC=SC/APC Connector