

## 2030~2070nm 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

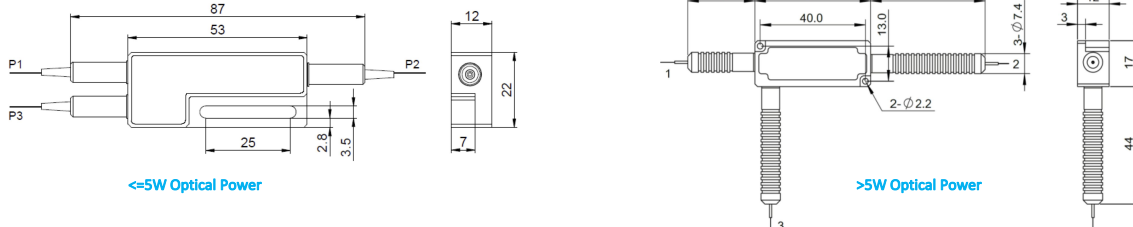
- ▣ Fiber Optic Amplifiers
- ▣ Fiber Optic Instruments
- ▣ WDM Systems
- ▣ Dispersion Compensation
- ▣ Light Routing

### SPECIFICATIONS

Parameter	Unit	A Type	B Type	C Type
Working Wavelength ( $\lambda$ )	nm	2030 $\pm$ 10, 2050 $\pm$ 10, 2070 $\pm$ 10		
Insertion Loss@23°C	(Typ.)	1.9		1.5
	(Max.)	2.8		2.2
Isolation@23°C	(Typ.)	32		16
	(Min.)	28		14
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		
Maximum Optical Power (CW)	W	1, 2		1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		
Package	Stainless Steel Tube (SST)	mm	$\phi$ 5.5xL35	
Dimension	Metal Box	mm	L120xW12xH10	

- 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 (C TYPE)



### ORDERING INFORMATION (PN)

FPCR- **NNNN** - (C) 3(C) - HP **NN** - (NN) -(C) C C NN -CC/CCC

Center Wavelength	Work Mode	Type	Optical Power	Optical Power P2	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2030~2030nm	F=F Type	A=A Type	1=1W	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	2=2W	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=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	Blank for P2=P1		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector