

2090nm Polarization Maintaining 3-port Optical Circulator

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs

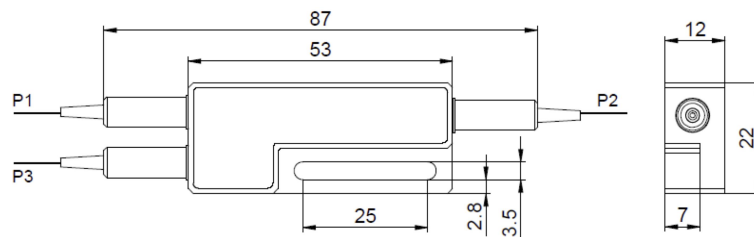


SPECIFICATIONS

Parameter	Unit	A Type	B Type	C Type
Working Wavelength (λ)	nm	2090 \pm 10		
Insertion Loss@23°C	(Typ.)	1.9		1.7
	(Max.)	2.8		2.5
Isolation@23°C	(Typ.)	32		18
	(Min.)	28		16
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)	mW	300		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		
Package	Stainless Steel Tube (SST)	mm	\varnothing 5.5xL35	
Dimension	Metal Box	mm	L120xW12xH10	
See Drawing				

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. 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.
 4. Package size may be different for different optical power and fiber type.

PACKAGE DIMENSION (TYPE C)



ORDERING INFORMATINO (PN)

FPCR-	NNNN	-	(C)	3(C)	- (C)	C	C	NN	-CC/CCC
<i>Center Wavelength</i>	<i>Work Mode</i>		<i>Type</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>	
2090-2090nm	F=F Type Blank for S Type		A=A Type C=C Type Blank for B Type	M=Metal Box Blank for SST or C Type	2-PM1550 Fiber V-PM1950 Fiber O=10/130 PMDC Fiber R=25/250 PMDC Fiber	B=Bare Fiber L=Loose Tube 2=2mm Cable 3=3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector	

