

2090nm 3-port Optical Circulator for Pulse Power

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

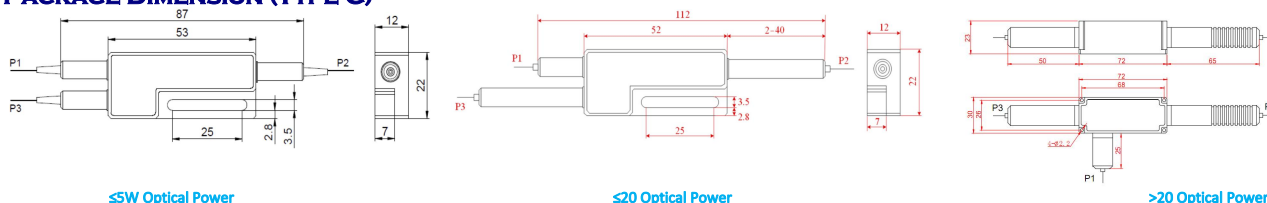


SPECIFICATIONS

Parameter		Unit	A Type	B Type	C Type
Working Wavelength (λ)		nm	2090±10		
Insertion Loss@23°C	Typ.	dB	1.9	1.3	
	Max.	dB	2.8	2.2	
Isolation@23°C	(Typ.)	dB	32	22	
	(Min.)	dB	28	20	
Extinction Ratio		dB	≥18		
Optical Return Loss		dB	≥45		
Cross Talk		dB	≥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, 20, 30, 40, 50	
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	∅5.5x ^L 35		See Drawing
Dimension	Metal Box	mm	^L 120x ^W 12x ^H 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 type.

PACKAGE DIMENSION (TYPE C)



ORDERING INFORMATION (PN)

FPCR-	NNNN	-(C)	3 (C)	-HNN	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	
2090-2090nm	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	
	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	
	Blank for B Type		2-2W	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(>1W Power)		3-3W	10-10kW	Blank for P2-P1		R-25/250 PMDC Fiber	3-3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector	

