

2090nm 3-port Optical Circulator for Pulse Power

FEATURES

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

APPLICATIONS

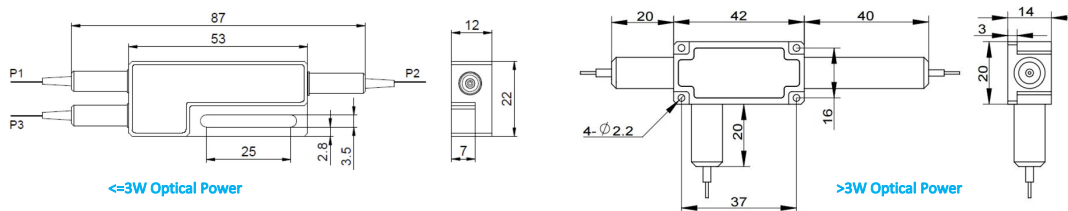
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	2090	
Bandwidth	nm	+/-10	
Insertion Loss@23°C	(Typ.)	dB	1.8
	(Max.)	dB	2.5
Isolation@23°C	(Typ.)	dB	16
	(Min.)	dB	14
PDL	dB	≤ 0.2	
Optical Return Loss	dB	≥ 45	
Cross Talk	dB	≥ 40	
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 4, 5, 8, 10	
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	

- 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.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. 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.
 5. Package size may be different for different optical power and fiber types

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FCIR-	NNNN	-3H NN	P NN	(NN)	-	(C)	C	NN	-	CC/CCC
	Center Wavelength	Average Power	Peak Power	Average Power (2-3)		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	2090-2090nm	03=300mW	01=100W	1= 1W		V=SM1950 Fiber	B= Bare fiber	05=0.5m		N=Without Connector
		1= 1W	1= 1kW	2= 2W		O=10/130 DC Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
		2= 2W	5= 5kW	5=5W		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
		10=10W	10=10kW	Blank for Same P1-2		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector