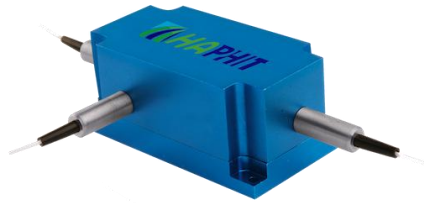
830-890nm 3-port PM Optical Circulator for Pulse Power

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	Value
Working Wavelength		nm	830±10, 850±10, 870±10, 890±10
Insertion Loss@23°C	(Typ.)	dB	1.0
	(Max.)	dB	1.6
Isolation@23°C	(Typ.)	dB	22
	(Min.)	dB	18
Extinction Ratio		dB	≥18
Optical Return Loss		dB	≥50
Cross Talk		dB	≥45
Work Mode	S Type	-	Can only work in slow axis
	F Type	-	Can work both in Slow and Fast Axis
Fiber Type		-	PM850 Fiber or PM780-HP Fiber
Fiber Tensile Load		N	5
Maximum Average Power		W	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	-10~65

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

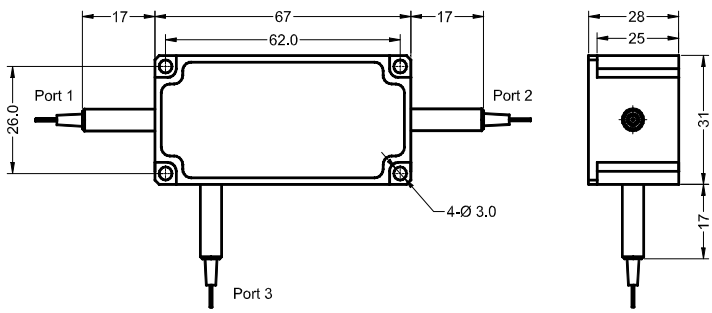
2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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.

5 Package size may be different for different optical power and fiber types.

Package Dimension



Ordering Information (PN)

FPCR- NNN - (C) 3H NN P NN - (NN) - N C NN - CC/CCC

Center Wavelength	Work Mode	Average Power	Peak Power	Average Power P2	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
830=830nm	F=F Type	03= 300mW	01= 100W	1= 1W	2=PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
850=850nm	*Blank* for S Type	1= 1 Watts	1= 1kW	2= 2W	7=PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
870=870nm		3= 3 Watts	3=3kW	5=5W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
890=890nm		10= 10 Watts	10= 10kW	*Blank* for P2=P1		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector