

830-850nm 4-port PM Optical Circulator for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

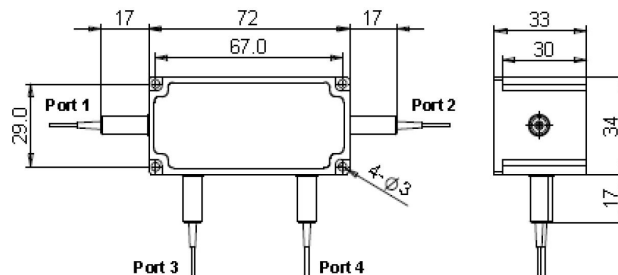
APPLICATIONS

SPECIFICATIONS

Parameter	Unit	Value	
Working Wavelength	nm	830+/-10, 850+/-10	
Insertion Loss@23°C	(Typ.)	1.5	
	(Max.)	1.8	
Isolation@23°C	(Min.)	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	-40~85	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB 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.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FPCR-	NNN	- (C)	4H NN	P	NN	- C	C	NN	- CC/CCC
<i>Center Wavelength</i>	<i>Work Mode</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>		
830-830nm	F=F Type	03-300mW	01-100W	2-PM850 Fiber	B- Bare fiber	05=0.5m	N=Without Connector		
850-850nm	Blank for S Type	1-1 Watts	1-1kW	7-PM780-HP Fiber	L- Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
		3-3 Watts	3-3kW		2-2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
		10-10 Watts	10-10kW		3-3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		