830-850nm 4-port PM Optical Circulator

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
Insertion Loss@23°C	(Typ.)	dB	1.0
	(Max.)	dB	1.6
Optical Path	C Type	-	1➔2, 2➔3, 3➔4 (Loss:4➔1 is Uncontrolled)
	D Type	-	1➔2, 2➔3, 3➔4, 4➔1
	E Type	-	1➔2, 2➔3, 3➔4 (4➔1 is Isolated)
Isolation@23°C	(Min.)	dB	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	-	Can work both in Slow and Fast Axis
Fiber Type		-	PM850 Fiber or PM780-HP Fiber
Fiber Tensile Load		N	5
Maximum Total Optical Power (CW)		W	0.3, 0.5, 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.

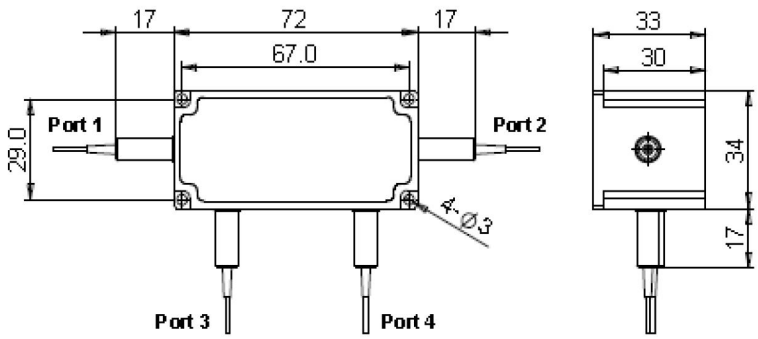
2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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, configuration and fiber types

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FPCR- NNN - (C) (C) -4HP NN -(NN/NN) - (NN) - C C NN -CC/CCC

Center Wavelength	Optical Path	Work Mode	Optical Power(Total)	Optical Power P2/P3	Optical Power P4	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
830=830nm	D=D Type	F=F Type	03= 300mW	1= 1W	1= 1W	2=PM850 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
850=850nm	E=E Type	Blank for S Type	1= 1 Watts	2= 2W	2= 2W	7=PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for C Type		3= 3 Watts	5=5W	5=5W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			10= 10 Watts	Blank for P2/3=P1	Blank for None		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

RoHS Compliant