

## 1120nm High Power 4-port PM Optical Circulator

### FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ Epoxy-Free Optical Path
- ▣ High Reliability and Stability
- ▣ Low Profile Packaging

### APPLICATIONS

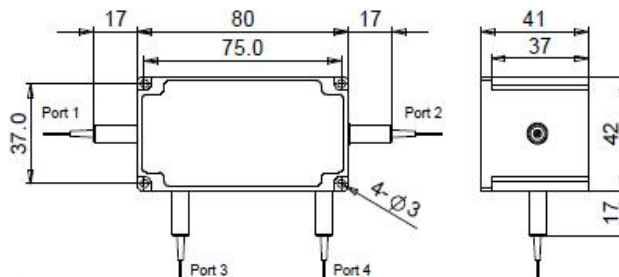
- ▣ Fiber Optic Amplifiers
- ▣ Fiber Optic Instruments
- ▣ WDM Systems
- ▣ Dispersion Compensation
- ▣ Light Routing

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1120	
Operating Wavelength Range	nm	+/- 10	
Insertion Loss@ 23 °C	(Typ.)	dB	1.0
	(Max.)	dB	1.8
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
Isolation @ 23 °C (4→3, 3→2, 2→1)	(Typ.)	dB	20
	(Min.)	dB	16
Optical Return Loss	dB	≥45	
Extinction Ratio	dB	18	
Work Mode	S Type	-	Can only work in slow axis
	F Type	-	Can work both in Slow and Fast Axis
Fiber Type	-	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
	-	-	10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)
	-	-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30	
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 0.5dB 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  5. Package size maybe different for different fiber type, optical power, etc.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

<b>FPCR-NNNN</b>	-	<b>(C)</b>	<b>(C)</b>	<b>-4HP NN</b>	-	<b>C</b>	<b>C</b>	<b>NN</b>	-	<b>CC/CCC</b>
<i>Center Wavelength</i>		<i>Work Mode</i>	<i>Optical Path</i>	<i>Optical Power</i>		<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
1120~1120nm		F=F Type Blank for S Type	D=D Type Blank for C Type	05= 500mW 1= 1 Watts 5= 5 Watts 20= 20 Watts		2=PM980Fiber E=PM1060L Fiber Q=20/130 PMDC Fiber R=25/250 PMDC Fiber	B= Bare Fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m		N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector

