

## 1030nm 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	A Type	B Type
Center Wavelength	nm	1030	
Operating Wavelength Range	nm	+/-5	
Optical Path	-	1→2, 2→3, 3→4	1→2, 2→3, 3→4, 4→1
Insertion Loss @ 23°C	(Typ.)	dB	6.2
	(Max.)	dB	8.4
Isolation @ 23°C	(Typ.)	dB	35
	(Min.)	dB	30
Cross Talk	dB	≥50	
Optical Return Loss	dB	≥50	
Extinction Ratio	(Typ.)	dB	25
	(Min.)	dB	22
Polarization Alignment	-	Slow Axis	
Fiber Type	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)	
	-	10/125um PMDC Fiber (O) or 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)	mW	50	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x <sup>L</sup> 35
	Metal Box	mm	<sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10

- 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. The devices can only work in slow axis and fast axis is blocked.
  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

### ORDERING INFORMATION (PN)

<b>FPCR-</b>	<b>NNNN</b>	<b>-4</b>	<b>C</b>	<b>-</b>	<b>(C)</b>	<b>C</b>	<b>C</b>	<b>NN</b>	<b>-</b>	<b>CC/CCC</b>
	<i>Center Wavelength</i>		<i>Type</i>		<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
	1030-1030nm		A=A Type		M=Metal Box	2=PM980Fiber	B= Bare Fiber	05=0.5m		N=Without Connector
			B=B Type		Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
						Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
						R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector