

## 1070nm 3-port Polarization Insensitive Circulator

### FEATURES

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

### APPLICATIONS

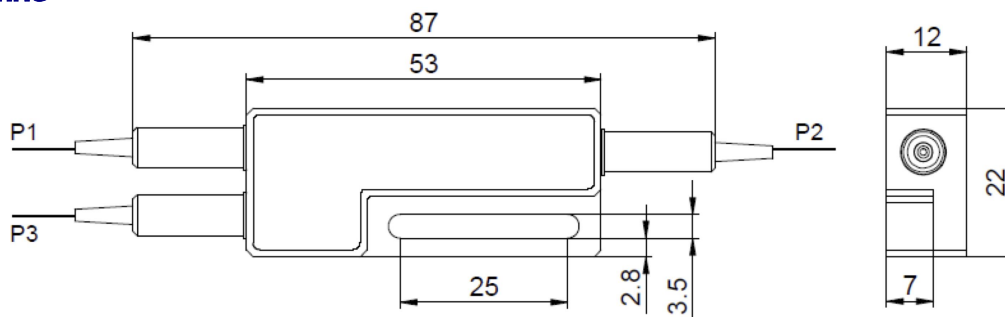
- ▣ Fiber Optic Amplifiers
- ▣ Fiber Optic Instruments
- ▣ WDM Systems
- ▣ Dispersion Compensation
- ▣ Light Routing

### SPECIFICATIONS

Parameter	Unit	Value
Working Wavelength	nm	1070+/-5
Insertion Loss@23°C	(Typ.)	1.9
	(Max.)	2.3
Isolation	(Typ.)	28
	(Min.)	22
PDL	dB	≤0.2
Optical Return Loss	dB	≥50
Cross Talk	dB	≥45
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
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.
  3. 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

### DIMENSION DRAWING



### ORDERING INFORMATION (PN)

<b>FCIR-</b>	<b>NNNN</b>	<b>-3</b>	<b>(C)</b>	<b>C</b>	<b>NN</b>	<b>-</b>	<b>CC/CCC</b>
<i>Center Wavelength</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>			
1070=1070nm	E=10/125 SC Fiber Q=20/130 DC Fiber R=25/250 DC Fiber Blank for HI1060 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			