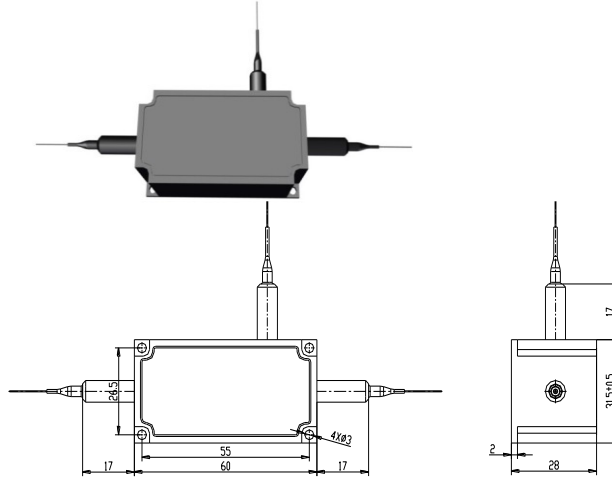


## High Power PM Optical Circulator 1053nm

The 3 port 1050 1053nm High Power Polarization Maintaining (PM) optical circulator is a fiber optic component built with PM fiber. It allows light to be transmitted in only one direction while blocking the opposite transmission, its light path is port 1 to port 2, and port 2 to port 3. The PM fiber circulator is widely used in optical fiber networks and amplifiers where polarization maintaining characteristics are needed. High Power handling up to 10W is available upon request.



### Features

- Low Insertion Loss
- High Isolation
- High Extinction Ratio
- High Power Handling

### Applications

- EDFA & Raman Amplifier
- Fiber Sensor
- Dispersion Compensation
- Test & Measurement
- WDM Systems

### Performance Specification

Parameter	Value	Unit
Center Wavelength	1053 or customized	nm
Bandwidth	±10	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss (port 1→2, 2→3)	1.2	dB
Max. Insertion Loss (port 1→2, 2→3)	1.6	dB
Typ. Isolation (port 2→1, 3→2)	26	dB
Min. Isolation (port 2→1, 3→2)	22	dB
Min. Extinction Ratio	20	dB
Min. Cross Talk (port 1→3)	50	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	1, 3, 5, 10	W
Max. Tensile Load	5	N
Fiber Type	PM 980 Panda Fiber	
Operating Temperature	-5 to +50	°C
Storage Temperature	-40 to +85	°C
Package Dimension	L60×W31.5×H28	mm

### Note

- \* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.
- \* Connectors only CW 1W handling power guarantee.
- \* Package may change according to different handling power.

### Ordering Information

#### HPMCIR-AAAA-BB-C-DD-EE-FF

AAAA	BB	C	DD	EE	FF
Wavelength	Port	Fiber Jacket	Fiber Length	Connector	Power
1053 - 1053nm	12 - 1 X 2	B - 250um Bare	05 - 0.5m	NE - None	01 - 1W
1050 - 1050nm		Fiber	08 - 0.8m		02 - 2W
SSSS - Specify		L - 900um Loose	10 - 1.0m		03 - 3W
		Tube	15 - 1.5m		05 - 5W
			SS - Specify		10 - 10W
					SS - Specify