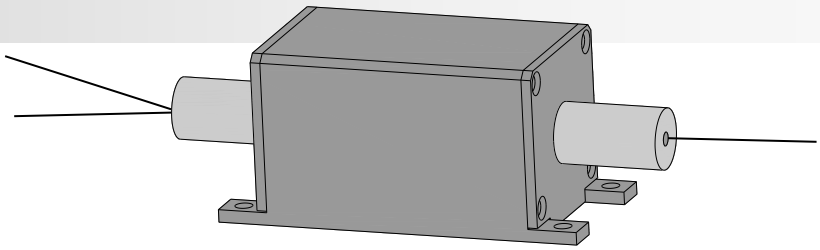
980~1060nm High Power PM Circulator

Description

The high power PM circulator is characterized with low insertion loss, high extinction ratio, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation applications.

Applications

* Fiber Laser
* Fiber Sensor



Specifications

Parameter \ Type	High Power		Low Power	
	3 Port	4 Port	3 Port	4 Port
Operating wavelength(nm)	980、1030、1060 or customized			
Bandwidth（nm）	±5			
Typical peak isolation (dB)	≥30			
Isolation in band at 23℃(dB)	≥25			
Insertion loss at 23℃(dB)	≤1.5	≤1.8	≤1.2	≤1.5
Extinction ratio (dB)	≥20（SCF type） or ≥18（DCF type）			
Return loss (dB)	≥45			
Fiber type (can be customized)	Panda PM fiber			
Input max. power handling (W)	10(CW)		0.3	
Dimensions (L x W x H mm)	116 x 34 x 34			
Operating temperature(℃)	-5 ~ +50			
Storage temperature(℃)	-20 ~ +70			

*Fort 3 port type, input power of Port3 < 0.5W.

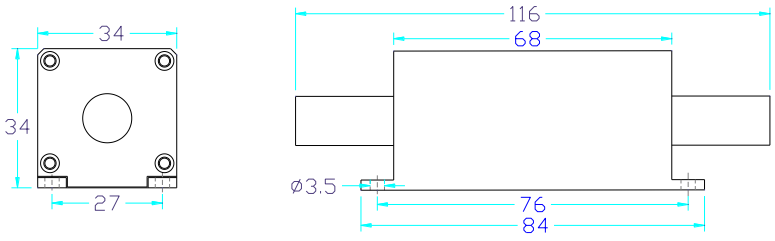
*For 4 port type, the port 1 to 2, 2to 3, 3 to 4 and 4 to 1 is pass; the port 2 to 1, 3 to 2, 4 to 3 is isolated.

*The precondition of above specifications are extinction ratio of system ≥20dB.

*The above specifications are without connector, the connector handle power ≤0.3W.

*IL is 0.50dB higher, RL is 5dB lower and ER is 3dB lower for each connector added. The default connector key is aligned to slow axis.

Mechanical Dimensions (Unit: mm)



Ordering Information

(H)PMCIR- X -XXXX-X-X-X(XX)- X –XX/XX-X*X*X- X

- Fiber length.
- Package size: 116 x 34 x 34.
- Connector type: FC/UPC, FC/APC etc.
- Average power handling: 300mW, 10W etc.
- Power condition: C=Continue Wave, P (10)=Pulse Peak Power(10KW),etc.
- Fiber type: SM98-PS-U25D-H, etc.
- Pigtail diameter: 0=bare fiber, 1=900μm, 2=2mm, 3=3mm.
- Operating wavelength: 1030nm etc.
- Port type: 3(3port) or 4(4port).
- HPMCIR: high power; PMCIR: lower power.