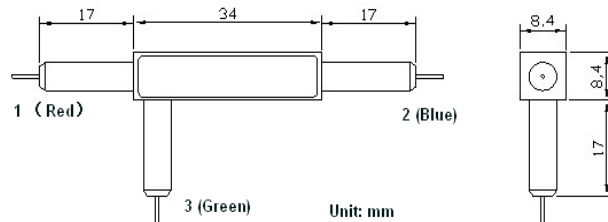


High Power Polarization Insensitive Optical Circulator 1550nm

The 3 port 1550nm High Power Polarization Insensitive Optical Circulator is a fiber optic componet built with SM fiber. It allows light to be transmitted in only one direction while blocking the opposite transmttton, it's light path is port 1 to port 2, and port 2 to port 3.



Features

- Low Insertion Loss
- High Isolation
- Optical Path Epoxy-free
- High Power Handling

Applications

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

Performance Specification

Parameter	Value	Unit
Center Wavelength	1550 or customized	nm
Bandwidth	±10	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss (port 1→2, 2→3)	0.9	dB
Max. Insertion Loss (port 1→2, 2→3)	1.2	dB
Typ. Isolation (port 2→1, 3→2)	26	dB
Min. Isolation (port 2→1, 3→2)	20	dB
Max. PDL (port 1→2, 2→3)	0.15	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	Corning SMF-28e Fiber	
Operating Temperature	-5 to +50	°C
Storage Temperature	-40 to +85	°C
Package Dimension	L34×W8.4×H8.4	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

HPCIR-AAAA-BB-C-DD-EE-FF

AAAA	BB	C	DD	EE	FF
Wavelength	Port	Fiber Jacket	Fiber Length	Connector	Power
1310 - 1310nm	12 - 1 X 2	B - 250um Bare	05 - 0.5m	NE - None	01 - 1W
1480 - 1480nm		Fiber	08 - 0.8m		02 - 2W
1550 - 1550nm		L - 900um Loose	10 - 1.0m		03 - 3W
SSSS - Specify		Tube	15 - 1.5m		05 - 5W
			SS - Specify		10 - 10W
					SS - Specify