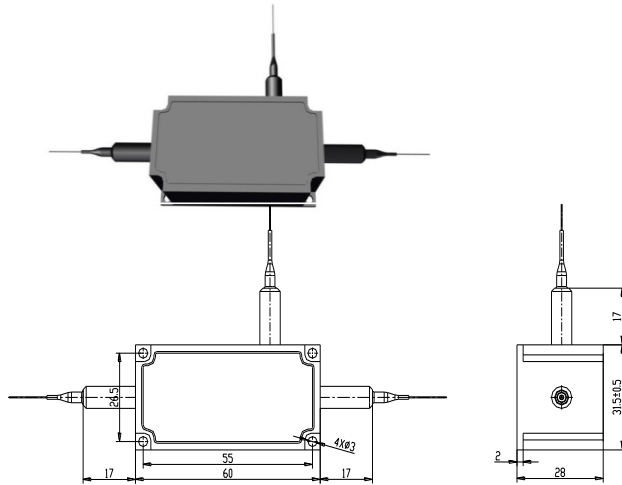


High Power Polarization Insensitive Optical Circulator 1053nm

The 3 port 1053nm High Power Polarization Insensitive Optical Circulator is a fiber optic component built with SM 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. It could withstand handling power up to 10W.



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	1053 or customized	nm
Bandwidth	±10	nm
Configuration	1X2, (port 1→2, 2→3)	
Typ. Insertion Loss (port 1→2, 2→3)	1.3	dB
Max. Insertion Loss (port 1→2, 2→3)	1.6	dB
Typ. Isolation (port 2→1, 3→2)	25	dB
Min. Isolation (port 2→1, 3→2)	22	dB
Max. PDL (port 1→2, 2→3)	0.2	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 HI 1060 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

HPCIR-AAAA-B-C-DD-EE-FF

AAAA	B	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