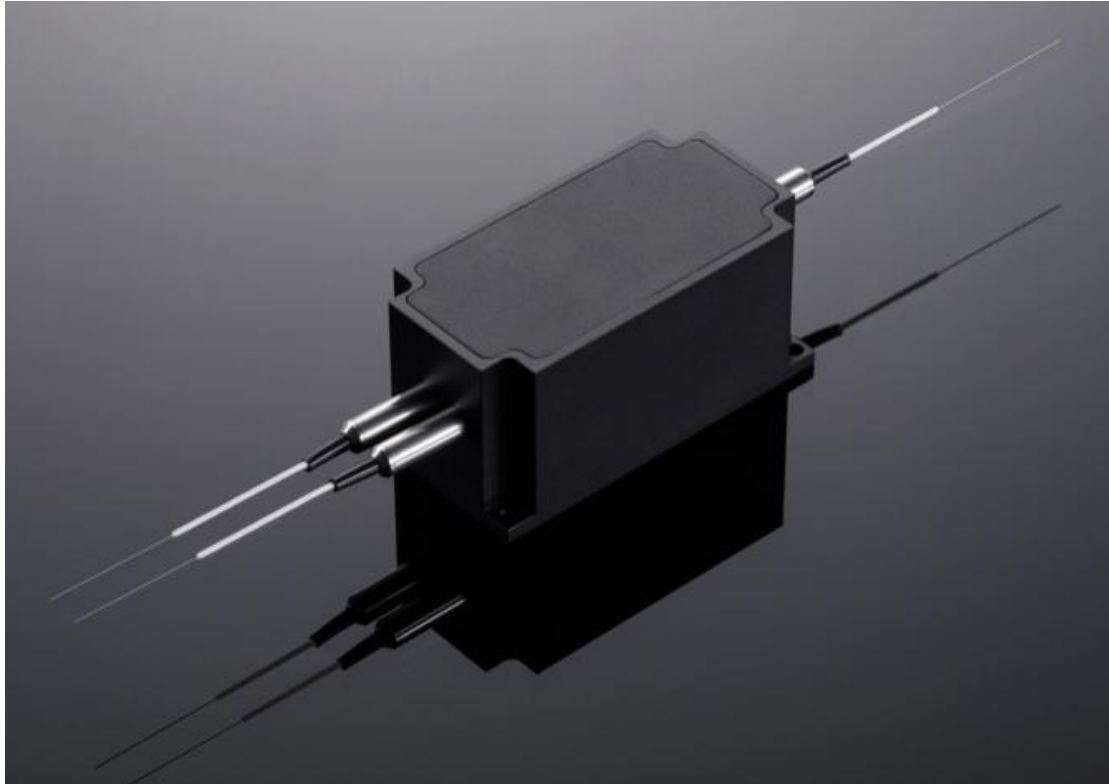


850nm High Power 3-Port Optical Fiber Circulator



● Product Description

The 850nm high-power polarization optical circulator features low insertion loss, high isolation, and excellent characteristics for high power handling, high return loss, and superior environmental stability and reliability. It is an ideal choice for fiber lasers.

● Part Number

HPCIR-85-2-L-1-C

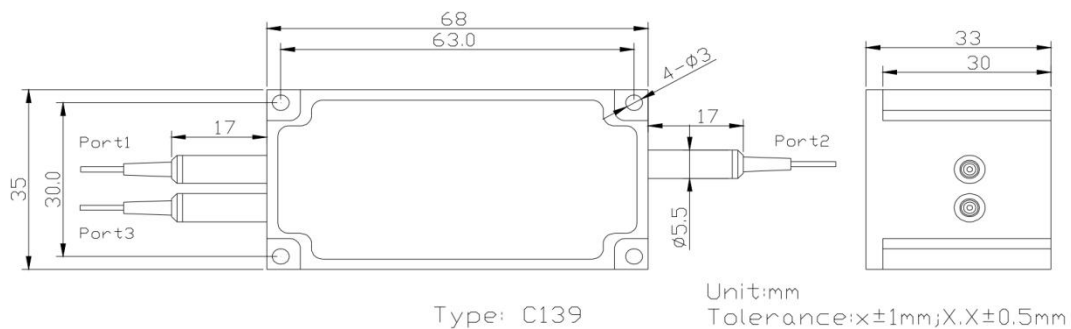
● Product features

Low insertion loss, high isolation、 Compact size、 High peak power

● Application area

Fiber optic sensing、 Ultrafast pulsed lasers、 Laser communication

● Dimensional Drawing



Parameters

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	850
Operating Wavelength Range	nm	± 30
Typ. Insertion Loss	dB	1.5
Max. Insertion Loss, 23 °C	dB	1.8
Min. Isolation, 23 °C	dB	18
Min. Crosstalk (Port 1 to Port 3)	dB	45
Min. Return loss	dB	45
Max. Polarization Dependent Loss, 23 °C	dB	0.25
Max. Average Optical Power	W	1
Max. Peak Power for ns Pulse	kW	2
Max. Tensile Load	N	5
Fiber Type		HI 780 fiber
Operating Temperature	°C	10 to +50
Storage Temperature	°C	0 to + 60

IL is 0.5 dB higher and RL is 5 dB lower for each connector added. Optical Power is 1 W only for connector added.

Ordering info

HPCIR-①①-②②-③-④-⑤

①①: Wavelength	84 - 840 nm, 85 - 850 nm, SS - Specify
②②: Connector Type	1 - FC/UPC, 2 - FC/APC, N - None, S - Specify
③: Fiber Jacket	B - Bare fiber, L - 900 μm loose tube, S - Specify
④: Fiber Length	1 - 1.0 m, S - Specify
⑤: Power Type	P - Pulse application, C - Continuous wave