



## High Power Polarization Maintaining Circulator with Tap Monitors (HPMCIRT Series)

Rev 11F

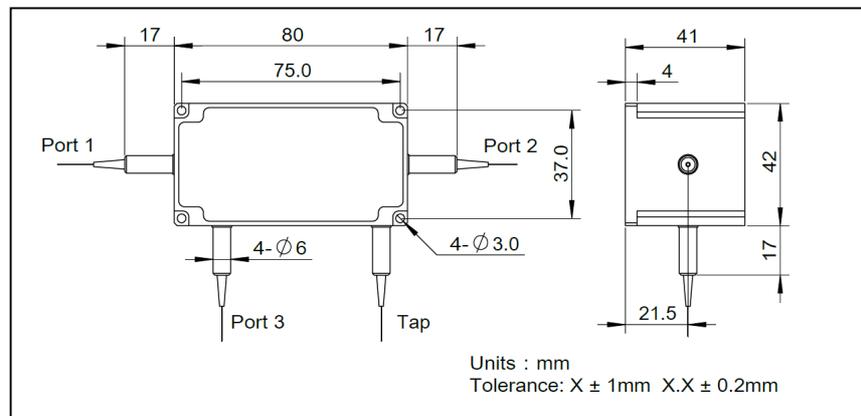
### Description

The High Power Polarization Maintaining Circulator is a high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. It has tap port with 1% with unique design and process, it can handle very high average power and peak power.

### Specifications

Parameter	Unit	Value
Center Wavelength	nm	1064
Min. Extinction Ratio	dB	20
Max. Insertion Loss, $\lambda_c$ , 23 °C (P1 to P2, P2 to P3)	dB	1.5
Min. Isolation, $\lambda_c$ , 23 °C (P2 to P1, P3 to P2)	dB	20
Min. Crosstalk (P1 to P3)	dB	45
Min. Return Loss	dB	45
Max. Total Average Optical Power	W	3 or 10
Max. Peak Power for ns pulse	kW	10
Tap Ratio (Port 2 to Tap)	%	1 ± 0.5
Fiber Type on Ports 1, 2 & 3	-	PM 980 Panda Fiber or Nufern FUD-3460 10-125 PM fiber (NA0.085)
Fiber Type on Taps	-	HI 1060 Fiber
Operating Temperature	°C	+ 10 to +50
Storage Temperature	°C	0 to + 60

### Package Dimensions



### Ordering Information

#### HPMCIRT-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧

①①: Wavelength 06 - 1064 nm SS - Specify	②②: Handling Power 03 - 3 W 10 - 10 W SS - Specify	③③: Connector Type N - None	④④: Fiber Jacket B - 250 $\mu$ m Bare Fiber L - 900 $\mu$ m Loose Tube S - Specify
⑤⑤: Fiber Length 1 - 1.0 m S - Specify	⑥⑥: Fiber Type 1 - PM 980 Panda Fiber 2 - Nufern FUD-3460 10-125 PM Fiber	⑦⑦: Working Axis F - Fast Axis Blocked	⑧⑧: Power Type P - Pulse Application C - Continuous Wave