HJ OPTRONICS

4055 Filan Way
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United States

640 nm Polarization Maintaining Circulator for Both Axes

Model #: PCIR-640

Description: The Optical Circulator is a compact, high performance lightwave component that routes incoming signals from Port 1 to Port 2, and incoming Port 2 signals to Port 3. The component provides high isolation, low insertion loss, low PDL, low PMD and excellent environmental stability.

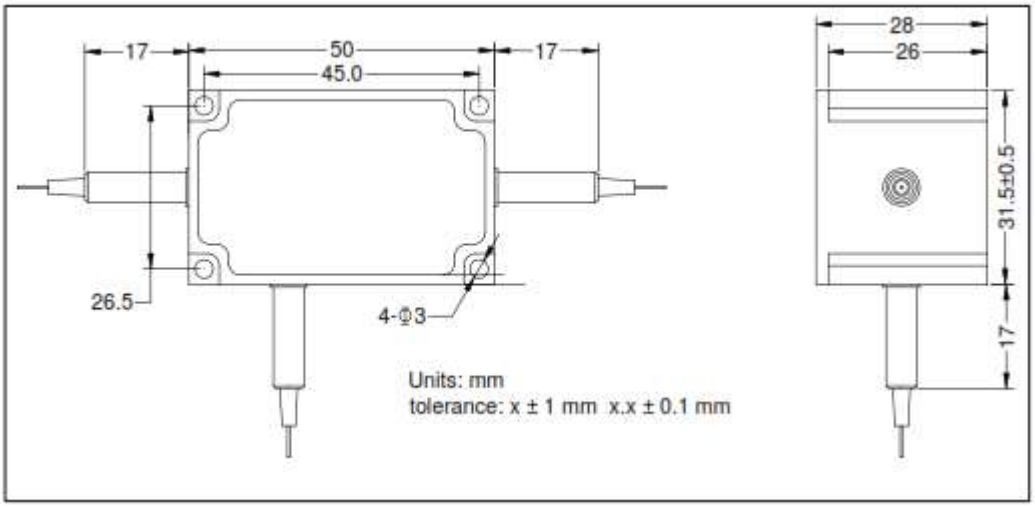
Application: Fiber laser, test and measurement instrument

Specifications:

Parameter	Unit	Specifications
Operating Wavelength	nm	640 ± 5
Max. Insertion Loss	dB	2.0
Typ. Insertion Loss at 23°C	dB	1.6
Min. Isolation at 23°C (2 -> 1, 3 -> 2)	dB	25
Min. Directivity 23°C (1 -> 3)	dB	50
Min. Polarization Extinction Ratio (Both axes working)	dB	16
Min. Return Loss	dB	45
Max. Optical Power (CW)	mW	100
Max. Tensile Load	N	5
Operating Temperature	°C	10 to +405
Storage Temperature	°C	-10 to + 65
Fiber Type		Nufern PM 630 HP

Note: each connector may contribute extra 1.5 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.

Package Dimensions



Ordering Information:

PM circulator: PCIR-AAA-B-C-D

AA: wavelength	B: connector type	C: fiber jacket	D: fiber length	E – polarization status
640 – 640 nm	1 - FC/UPC	B - 250μm Panda fiber	Q-0.75m	B – both axes working
XXX - other	2 - FC/APC	L - 900 μm loss tube	X-other	
	N - none	X - other		
	X - other			