

1080nm High Power Polarization Maintaining Isolator

Features

Low Insertion Loss
High Return Loss
High Isolation
High stability & Reliability

Applications

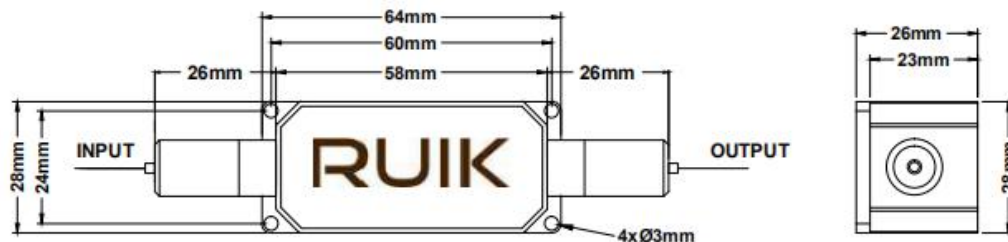
PM Fiber Amplifier
Testing Instrument
MOPA Fiber Laser
Fiber Laser

Specifications

Parameters	Unit	Value	
Center Wavelength	nm	1080	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation at 23℃	dB	30	
Min. Isolation at 23℃	dB	25	
Typ. Insertion Loss at 23℃	dB	0.8	
Max. Insertion Loss at 23℃	dB	1.0	
Min. Extinction Ratio at 23℃	dB	20	
Min. Return Loss (Input /Output)	dB	45	
Max. Average Optical Power	W	10	20
Package Dimension	mm	64x28x26	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Operating Temperature	℃	+10~+50	
Storage Temperature	℃	0~+60	

With connectors, the handing power will be only 1W, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.
The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

HPMIS-1111-23-444-56-7-88-99AA

1111 - Wavelength:	1080=1080nm, SSSS=Specify
2 - Core Type:	S=Single-Core
3 - Working Axis:	B=Both axis working, F=Fast axis blocked
444 - Fiber Type:	003=PM980, 018=PLMA-GDF-10/125, 020=PLMA-GDF-20/130, SSS=Specify
5 - Package Dimension:	0=64x28x26mm
6 - Pigtail Type:	0=bare fiber, 1=900um loose tube, S=Specify
7 - Fiber Length:	0.75=0.75m, 1.0=1.0m. S=Specify
88 - Connector Type:	N=None
99 - Average Power:	10=10W, 20=20W, SS=Specify
AA - Peak Power:	00=Continuous Wave, 10=10kW, 20=20kW