

In Line Faraday Rotator

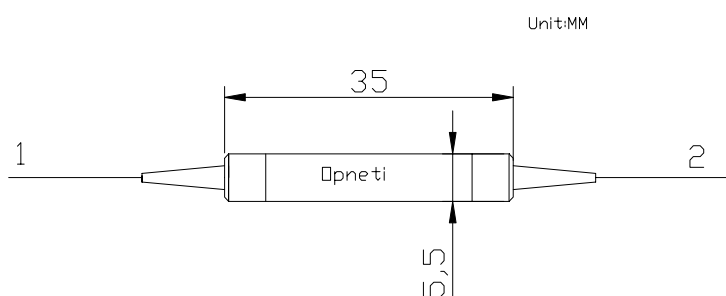
Features	
Low Insertion Loss High Extinction Ratio & High Return Loss High stability and reliability	
Application	
Fiber Optical Instrument Fiber Sensor Fiber Amplifier	

Specifications

Parameter	IFR
Center wavelength (nm)	1310, 1550
Bandwidth (nm)	±20
Insertion Loss (dB)	≤0.50 (Typ. 0.3dB)
Rotation Angle CWL, at 23℃ (Deg)	45±1
Extinction Ratio (dB) (Slow axis of Port 1 is aligned to slow axis of Port 2, PM-PM type at 23℃)	≥20
Extinction Ratio (dB) (Slow axis of Port 2 is aligned to fast axis of Port 1, PM-PM type at 23℃)	≥20
Return loss (dB)	≥50
Power handling (mW)	≤500
Fiber Length (m)	0.80
Operating temperature (℃)	-5~+70
Storage temperature (℃)	-40 ~ +80
Dimensions (mm)	φ5.5×L35

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

IFR	Wavelength	Pigtail Type	Fiber Type	Length	Connector
	1310 1550	250=250um bare fiber 900=900um loose tube 3000=3mm loose tube	1=PM Fiber-PM fiber 2= SMF-28e – PM fiber 3= SMF-28e–SMF-28e	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other