

1310,1550nm High Power Polarization Independent Isolator

Features

High isolation & High return loss
 Low insertion loss
 High stability and reliability

Application

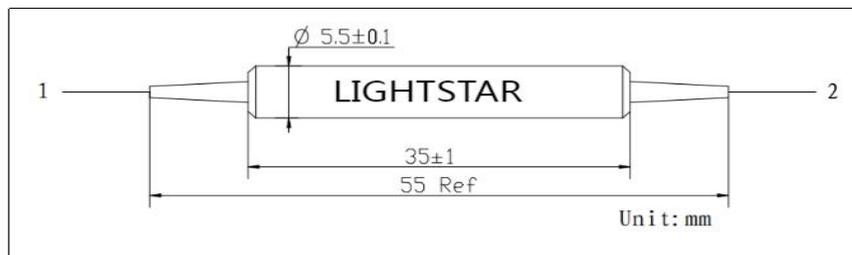
Fiber laser
 EDFA&Optical fiber amplifier
 Optical laboratory

Specifications

Parameter		Value	
Type		Single Stage	Dual Stage
Central wavelength(nm)		1550、1480、1450、1310	
Bandwidth(nm)		±20	
Peak Isolation (dB)		42	58
Isolation 23(°C) (dB)		≥28	≥48
Insertion loss23(°C) (dB)		≤0.5(Typ 0.35)	≤0.55 (Typ 0.4)
Extinction ratio23°C (dB)	Type B (Both axis working)	≥20	≥20
	Type F (Fast axis blocked)	≥22	≥22
Return loss (Input/output) (dB)		≥50/50	≥50/50
Fiber type		PM1310 , PM1550	
Power (CW, W)		1,2, 3, 5,10,20	
Package dimensions(mm)		5.5*35(P1), 70*12*9(P2)	
Operating temperature(°C)		-5 ~ +70	
Storage temperature(°C)		-40 ~ +85	

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

HPMIS-①①①①-②-③-④-⑤⑤-⑥-⑦-⑧

①①①①:Wavelength
 1310=1310 nm
 1550=1550nm
 SSSS=Specify

②Rank
 S=Single stage
 D=Dual Stage

③:Working axis
 B=Biaxial operation
 F=Fast axle cutoff

④:Package dimensions
 0=P1(5.5*35 mm)
 1=P2(70*12 *8mm)
 S=Specify

⑤⑤:Power
 01=1W
 05=5W
 20=20W
 SS=Specify

⑥:Pigtail type
 1=250um bare fiber
 2=900um loose tube
 S=Specify

⑦:Length
 H=0.5m
 1= 1.0m
 S=Specify

⑧:Connector
 0=None
 1=FC/UPC
 2=FC/APC
 S=Specify