Mini Polarization Independent Isolator

Features

High isolation
Low insertion loss&PDL
Small size

Application

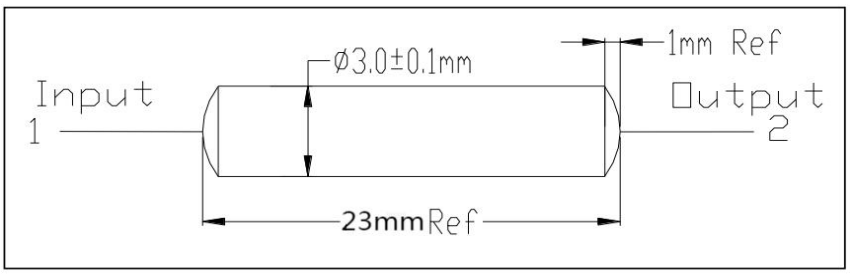
WDM&DWDM system
EDFA&Optical fiber amplifier
Experiment instrument

Specifications

Parameter \ Type	Single stage		Dual Stage	
	P	A	P	A
Operating wavelength(nm)	1550, 1310			
Bandwidth(nm)	±15			
Peak Isolation (dB)	40	38	50	48
Isolation @23℃(dB)	≥28	≥26	≥42	≥40
Typical insertion loss	0.4	0.5	0.5	0.6
Insertion loss@-5 ~ +70 ℃(dB)	≤0.6	≤0.7	≤0.70	≤0.80
Polarization dependent loss@ 23℃ (dB)	≤0.1	≤0.15	≤0.1	≤0.15
Polarization mode dispersion(ps)	≤0.25	≤0.25	≤0.25	≤0.25
Return loss(dB)	≥55/50			
Power(mW)	≤300			
Fiber type	SMF-28e			
Operating temperature(℃)	-5~ +70			
Storage temperature(℃)	-40 ~ +80			
Package dimensions(mm)	φ3.0×L23(P7)			

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-①①①①-②-③-④-⑤-⑥-⑦

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

②Type
S=Single stage
D=Dual Stage

③:Rank
P=P Grade
A=A Grade

④:Package dimensions
L=3.0*23mm
S=Specify

⑤:Pigtail type
1=250um bare fiber
2=900um loose tube
S=Specify

⑥:Length
H=0.5m
1= 1.0m
S=Specify

⑦:Connector
0=None
1=FC/UPC
2=FC/APC
S=Specify