1064nm High Power Polarization-maintaining Isolator

Features

- Low insertion loss
- High return loss and Isolation
- Excellent environmental stability

Application

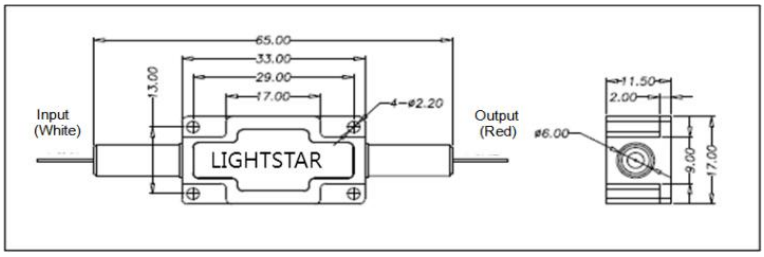
- Fiber laser
- Optical fiber amplifier
- EDFA

Specifications

Parameter		PM Fiber Isolator (HPMIS)
Central wavelength(nm)		1064
Bandwidth(nm)		±5
Insertion loss@23℃ and Input Power 300mW (dB)		≤2.0
Insertion loss@23℃ and Input Power 1W (dB)		≤2.5
Insertion loss@23℃ and Input Power 2W (dB)		≤3.0
Extinction ratio(dB)	TypeB (Both axis working)	≥ 20
	TypeF (Fast axis blocked)	≥ 22
Isolation @1064nm ,23℃(dB)		≥ 28
Return loss (Input/output) (dB)		≥50/50
Average optical power(W)		2
Peak power(kW)		10
Fiber type		PM 980
Maximum tensile load(N)		5
Operating temperature(℃)		0 ~ +50
Storage temperature(℃)		-20 ~ +85
Package dimensions(mm)		65(L)*17(W)*11.5(H)mm (P9)

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-①①①①-②-③③-④④④-⑤-⑥-⑦

①①①①:Wavelength
1064=1064nm

②:Working axis
B=Biaxial operation
F=Fast axle cutoff
N=Non-PM

③③:Power
01=1W
02=2W

④④④:Fiber type
003=PM980
SSS=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