1310-1550nm High power Isolator(20W)

Features

Low insertion loss&High return loss
High extinction ratio
High isolation
High stability & Reliability

Application

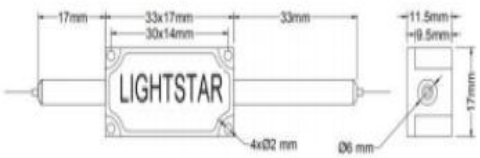
Fiber laser&Optical fiber amplifier
Test instrument&Communication system
Optical fiber sensing
Product research

Specifications

Parameter		Unit	Value	
Rank			Single rank	Double rank
Central wavelength		nm	1550,1480,1310	
Operating temperature range		nm	±20	
Typical peak Isolation @23℃		dB	42	58
Minimum isolation @23 ℃		dB	28	45
Typical insertion loss@23℃		dB	0.4	0.5
Maximum insertion loss@23℃		dB	0.55	0.65
Minimum extinction ratio@23°℃	Biaxial operation	dB	20	
	Fast axle cutoff	dB	25	
Maximum polarization dependent loss(SM Fiber type)		dB	0.15	
Minimum return loss(input/output)		dB	50/50	
Maximum optical power(CW)		W	1,2,5....20	
Peak power of the maximum ns pulse		kW	10 or Specified	
Maximum tensile load		N	5	
Operating temperature		℃	0~+70	
Storage temperature		℃	-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



Single-core Stage

Dual-core Stage

Ordering information

HPMIS-①①①①-②-③-④④④-⑤⑤-⑥-⑦-⑧-⑨/HPIIS-①①①①-②-③-④④④-⑤⑤-⑥-⑦-⑧-⑨

①①①①:Wavelength	②:Rank	③:Working axis	④④④:Fiber type	⑤⑤:Power
1064=1064nm	S=Single stage core	B=Biaxial operation	001=PM1550	05=5W
SSSS=Specify	D=Double stage core	F=Fast axle cutoff	004=Hi1060	20=20W
		N=Non-PM	SSS=Specify	SS=Specify

⑥:Package dimensions	⑦:Pigtail type	⑧:Length	⑨:Connector
0= φ5.5x35mm	1=250um bare fiber	H=0.5m	0=None
S=Specify	2=900um loose tube	1= 1.0m	1=FC/UPC
	S=Specify	S=Specify	2=FC/APC
			S=Specify