

1310-1550nm High Power Polarization-maintaining Beam Split Isolator

Features

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

Application

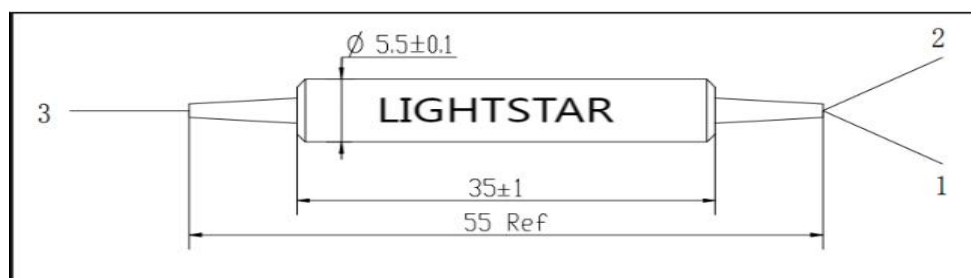
Fiber laser
Optical fiber amplifier
Optical fiber sensing

Specifications

Parameter		Single stage	Double stage
Operating wavelength(nm)		1550、1480、1310	
Bandwidth(nm)		±20	
Additional losses(dB)		≤0.9	≤1.0
Splitting ratio (%) (Input to Tap)		0.1/99.9~50/50%	
Peak isolation (Output to Input)(dB)		40	58
Isolation @23°C(Output to Input) (dB)		≥28	≥48
Extinction ratio(Input to Output)(dB)	Type B (Both of axis working)	≥20	
	Type F (Fast axis blocked)	≥22	
Extinction ratio(Input to Tap port) (dB)		18(only for Tap port with PM Panda fiber)	
Return loss(dB)		≥50	
Power (W)		1,2,3,4,5,6,Specify	
Pulse power (Kw)		1	
Fiber type	Tap port	SMF-28e or PM Panda fiber	
	Port 1 & 3	PM Panda fiber	
Operating temperature(°C)		-5 ~ +70	
Storage temperature(°C)		-40~ + 85	
Package dimensions(mm)		φ5.5 × L35(P1) (only for bare fiber or 900um loose tube)	
		L90*W20*H9.5 (ABS) (P2) (only for 3mm or 2mm cable)	

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

HPMTI-①①①①-②③④④⑤⑤⑤⑥⑥⑦⑧⑨

①①①①:Wavelength	②:Working axis	③:Rank	④④:Splitting ratio	⑤⑤⑤:Beam split port Fiber type
1310=1310nm 1550=1550nm	B=Bi axial operation F=Fast axle cutoff	S=Single stage D=Double stage	01=1% 50=50%	008=SMF-28e 004=Hi1060
SSSS=Specify			SS=Specify	SSS=Specify
⑥⑥:Power	⑦:Pigtail type	⑧:Length	⑨:Connector	
01=1W 05=5W SS=Specify	1=250um bare fiber 2=900um loose tube S=Specify	H=0.5m 1= 1.0m S=Specify	0=None 1=FC/UPC 2=FC/APC S=Specify	