

1030nm High Power Polarization-maintaining Beam Split Isolator(100W)

Features

Low insertion loss
Low Polarization loss
Excellent environmental stability

Application

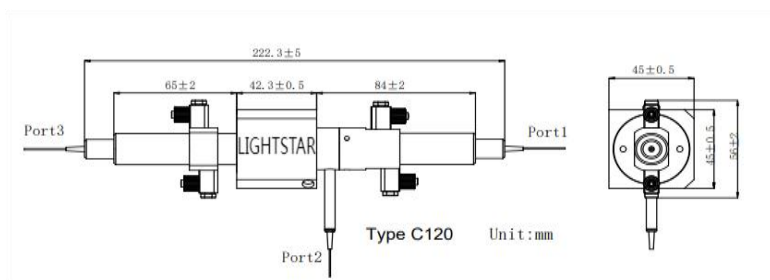
Fiber laser
Optical fiber amplifier
Optical fiber sensing

Specifications

Parameter	Unit	Value
Central wavelength(λ_c)	nm	1030 or Specify
Bandwidth	nm	+/-5
Typical insertion loss 23°C, Port3 to Port1	dB	1.0
Maximum insertion loss, Port3 to Port1	dB	1.5
Peak Isolation ,Port1 to Port3	dB	30~35
Isolation 23°C, Port1 to Port3	dB	26
Splitting ratio Port3 to Port2	%	0.1~0.3 or Specify
Minimum Splitting ratio (only for Port3 to Port1)	dB	18
Minimum return loss (only for Port1 & 3)	dB	50/50
Maximum power (CW)	W	100
Maximum tensile load	N	5
Fiber type	-	Liekki Passive 30/250 DC-PM NA0.07 Fiber on Port3 and Port1, MMF 105/125 NA0.22 Fiber on Port2
Operating temperature	°C	-5 to +50
Storage temperature	°C	-20 to +75

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

HPMTAPI-①①①①-②②-③③-④-⑤-⑥

①①①①: Wavelength
1303=1030nm
SSSS=Specify

②②: Splitting ratio
01=0.1%
SS=Specify

③③: Power
AA=100w
SS=Specified

④: Working axis
F=Fast axle cutoff

⑤: Connector type
0=None
1=FC/UPC
2=FC/APC
S=Specify

⑥: Length
H=0.5m
1= 1.0m
S=Specify