

1064nm High Power Free Space Isolator (20W)

Features

Low insertion loss
High extinction ratio and Isolation
Excellent environmental stability

Application

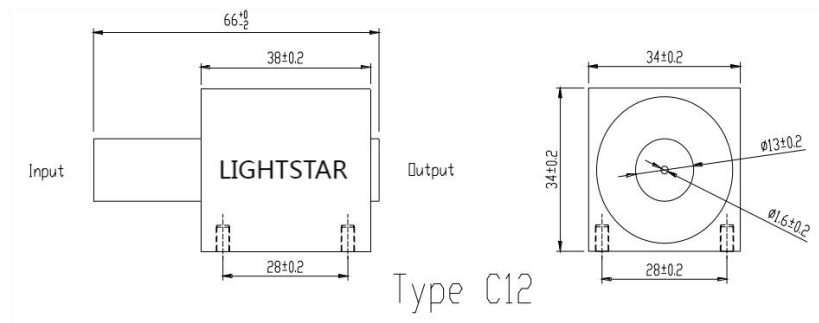
Laboratory investigation
Fiber laser
Optical fiber amplifier

Specifications

Parameter	Unit	Value
Central wavelength(λ_c)	nm	1064 $\pm$ 5
Minimum isolation	dB	30
Isolation 23℃	dB	25
Typical insertion loss	dB	0.3
Maximum insertion loss	dB	0.4
Effective aperture	mm	1.6
Input/output Optical beam offset	mm	+/-0.1
Return loss	dB	50
Power(CW, measured @ BD 0.5~0.8mm)	W	20
Operating temperature	℃	'-5 to +50
Storage temperature	℃	-20 to +70

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

HPFSI-①①①①-②②-③

①①①①: Wavelength
1064=1064nm
SSSS=Specify

②②: Power
20=20W
SS=Specify

③: Polarization type
S=Polarization correlation