

## 1064nm High Power Faraday Mirror(10-20W)

### Features

Low insertion loss  
 Environmental stability  
 High Power&High extinction ratio

### Application

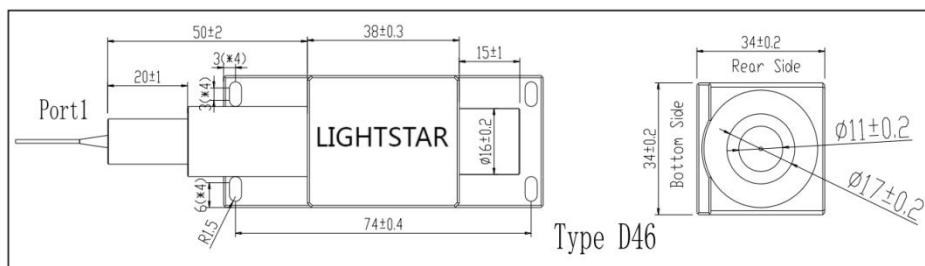
Sense system  
 Fiber laser  
 Optical fiber amplifier

### Specifications

Parameter	Unit	Value	
Central wavelength( $\lambda_c$ )	nm	1064	
Bandwidth	nm	$\pm 10$	
Typical insertion loss	dB	0.7	0.9
Maximum insertion loss $23^\circ\text{C}$ , $\lambda_c$	dB	1.0	1.2
Faraday rotation angle(Double Pass)	deg	90	
Maximum rotation angle tolerance $23^\circ\text{C}$ , $\lambda_c$	deg	$\pm 5$	
Polarization dependent loss	dB	0.1	
Power(CW)	W	10	20
Pulse time of duration	ps	10	5~10
Energy	uJ	5	20
Maximum tensile load	N	5	
Fiber type		Liekki DCF-30/250,NA0.07	
Operating temperature	$^\circ\text{C}$	$-5$ to $+50$	
Storage temperature	$^\circ\text{C}$	$-20$ 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

HPFM-①①-②②-③③-④④-⑤⑤-⑥⑥

①①①:Wavelength  
 1064=1064nm

②②:Power  
 10=10W  
 20=20W  
 SS=Specify

③:Length  
 H=0.5m  
 1= 1.0m  
 S=Specify

④:Connector  
 0=None  
 1=FC/UPC  
 2=FC/APC  
 S=Specify

⑤:Pigtail type  
 1=250um bare fiber  
 2=900um loose tube  
 S=Specify