

# 1.0µm Ytterbium Pulsed Fiber Laser

Compact pulsed fiber laser in the wavelength range from 1050nm to 1100nm for airborne and terrestrial range finding applications



## KPS-BT2-PYFL and KPS-OEM-PYFL Series

### Features

- Repetition rate of 5kHz or 50kHz
- Pulse duration of 5ns
- Average output power up to 2W
- TEM00 gaussian beam ( $M^2 < 1.5$ )
- Collimated output beam
- Automatic Current Control (ACC)
- RS-232 interface
- Rack-mountable Benchtop or compact OEM
- Air cooled package
- Maintenance free
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### Applications

- Lidar
- Obstacle detection
- Topographic scanning (3D imaging)
- Active imaging

OPTICAL SPECIFICATIONS	TYPICAL VALUES	UNIT	NOTES
Mode of Operation	Pulsed		
Operating Wavelength Range	1064	nm	Typical; single wavelength
Average Output Power	2	W	
Peak Power	up to 10		kW
Repetition Rate	5 or 50	kHz	
Pulse Width	5	ns	
Output Power Scaling	From 1 to 100	%	
Output Power Stability	< 5	%	Over 8h at 25°C
State of Polarization	Random		

### Benchtop

ELECTRICAL	TYPICAL VALUE	UNIT	NOTES
AC Voltage	85-264	V	47-63Hz
Power consumption	< 200	W	Depends on average output power
<b>GENERAL</b>			
Operating Temperature	+15 / +35	°C	
Storage Temperature	-20 / +55	°C	
Size	88 x 448 x 446 mm		

### OEM

ELECTRICAL	TYPICAL VALUE	UNIT	NOTES
DC Voltage	28	V	
Power consumption	< 100	W	
<b>GENERAL</b>			
Operating Temperature	+5 / +45	°C	
Storage Temperature	-20 / +55	°C	
Size	170 x 300 x 25 mm		

#### ORDERING INFORMATION

KPS-BT2-PYFL-1064-xx-COL

xx=Output power in µJ

#### ORDERING INFORMATION

KPS-OEM-PYFL-1064-xx-COL

xx=Output power in µJ