

Eye Safe OEM Pulsed Fibre Laser for LIDAR Applications

KPS-OEM-MIRPFL Series

MIRvision

The KPS-OEM-PFL is an efficient OEM fibre source delivering high peak power and high energy per pulse. The source is ideal for range-finding applications requiring high energy per pulse and good beam quality.

FEATURES

- Energy per pulse up to 125 μ J
- Peak power level up to 25 kW
- Pulse duration from 400ps to 10ns
- Collimated output beam
- Automatic current control (ACC)
- Air cooled-Package
- Maintenance free operation

APPLICATIONS

- Remote sensing
- Gated viewing
- Obstacle detection
- Night vision



TYPICAL SPECIFICATIONS

OPTICAL PARAMETERS

Fixed operating wavelength
Energy per pulse
Peak power
Adjustable repetition rate
Fixed pulse width
Polarization
Beam quality

TYPICAL VALUES

From 1540nm to 1550nm
up to 125 μ J*
Up to 25kW*
From 40kHz to 10MHz**
From 400ps to 10ns
Unpolarised source
 $M^2 < 2.5$

*5ns pulse duration at 40kHz rep. rate, 5W average power.

**External TTL pulse generator required.

ELECTRICAL SPECIFICATIONS

DC Voltage
Power consumption

TYPICAL VALUES

13.5V
< 180W

GENERAL SPECIFICATIONS

Operating temperature
Storage temperature
Size

TYPICAL VALUES

+0°C / +40°C
-40°C / +70°C
330 x 260 x 30 mm

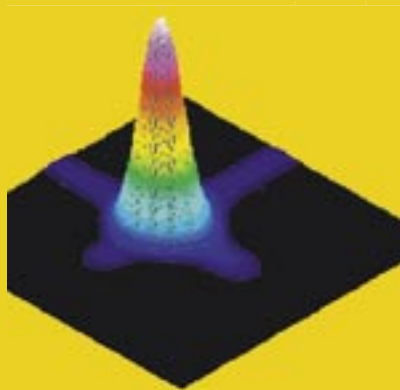
ORDERING INFORMATION

KPS-OEM-MIRPFL-0xx-yy-zz-COL

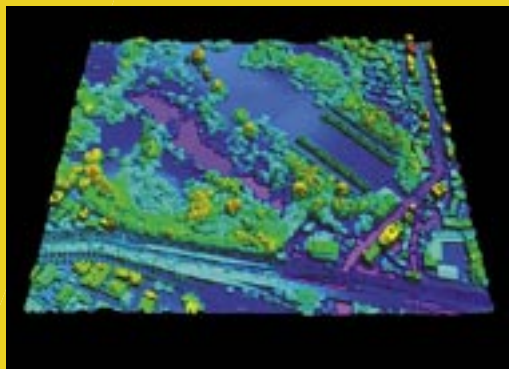
xx: peak power in kW
yy: energy per pulse in μ J
zz: pulse width in ns

e.g. KPS-OEM-MIRPFL-025-125-5-COL is a 125 μ J, 25kW, 5ns pulsed fiber laser with collimated beam < 3mm

For more information, please contact Keopsys.



Beam profile @ 100 μ J



All products comply with IEC 60825-1 and FDA (21 CFR Subchapter J) laser safety standards.

Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.



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