

ULTRA-COMPACT LASER TRANSMITTER

KPS-OEM-KULT Series

KULT

FEATURES

- Energy per pulse up to 30μJ
- Peak power level up to 4kW
- Pulse duration from 3 to 25ns
- High efficiency
- Low power consumption
- Diffraction limited and collimated beam
- Maintenance free operation

APPLICATIONS

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

The KPS-OEM-KULT is a range of OEM fibre source delivering high peak power and high energy per pulse in a very compact package. The output beam is diffraction-limited and collimated. This source is ideal for range-finding applications and can be operated in harsh environment.



TYPICAL SPECIFICATIONS

OPTICAL PARAMETERS

Fixed operating wavelength
Energy per pulse
Adjustable repetition rate
Fixed pulse width
Peak power
Average power
Polarization
Beam diameter (1/e²)
Divergence
Beam quality
Output pigtail length

TYPICAL VALUES

1550nm
up to 30μJ
From 5kHz to 300kHz*
From 3 to 25ns
Up to 4kW
Up to 1W
Random
1.5mm
3 mrad
M² < 1.1
~30cm

*External TTL pulse generator required.

ELECTRICAL SPECIFICATIONS

DC Voltage
Power consumption

TYPICAL VALUES

< 5V (100mA) and 5V (2.5A)
< 12W

GENERAL SPECIFICATIONS

Operating temperature
Storage temperature
Size

TYPICAL VALUES

0°C / +50°C
-40°C / +70°C
90mm diameter x 20 mm thickness

ORDERING INFORMATION

KPS-OEM-KULT-1550-0xx-yyy-zz-AP-FA

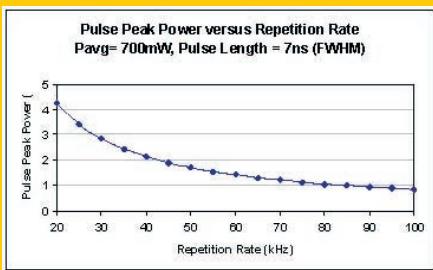
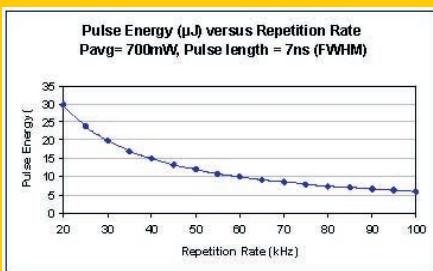
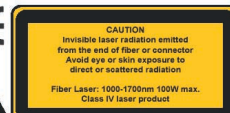
xx: peak power in kW
yyy: energy per pulse in μJ
zz: pulse width in ns
AP: average power in tenth of W

e.g. KPS-OEM-KULT-1550-004-030-07-07-COL is a pulsed fiber laser delivering 4kW peak power, 30μJ per pulse of 7ns at 0.7W average power.

For more information, please contact Keopsys.

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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