

# Katana



Versatile picosecond laser module designed for OEM and R&D applications

- Variable pulse repetition rate
- Pulse on demand – trigger input
- High pulse quality
- Narrow optical spectrum
- High repeatability and 24/7 operation
- Compact, dust-sealed OEM package
- Plug & play
- Air cooled – no water cooling
- Low power consumption
- Remote control
- One-button operation – no adjustment knobs or screws
- Maintenance free – no user-serviceable parts inside or outside laser



	Katana – 05	Katana – 08	Katana – 10	Katana – 15
Center wavelength	515 / 532 nm	775 nm	1030 / 1064 nm	1550 nm
Average output power	> 50 mW	> 50 mW	> 500 mW	> 500 mW
Pulse repetition rate <sup>1</sup>	100 kHz – 1 MHz variable, or 10 – 100 MHz fixed			
Pulse energy (up to)	> 20 nJ	> 20 nJ	> 100 nJ	> 100 nJ
Pulse duration	30 ps – 1 ns			
Spectral bandwidth	< 5 nm			
Output	PM fiber or collimated free space, $M^2 < 1.1$			
PER	>17 dB			
Timing Jitter	< 3 ps			
Amplitude noise (24h)	< 3 % rms			
Warm-up time	< 5 minutes			
Specs guaranteed	15 °C – 35 °C			
Storage temperature	–15 °C – 65 °C			
On/Off cycles	> 10'000			
Size laser head <sup>2</sup>	306 x 112 x 54 mm <sup>3</sup>			
Size controller <sup>2</sup>	165 x 105 x 60 mm <sup>3</sup>			
Power consumption	< 40 W			
Power supply	90 – 264 VAC, 47 – 63 Hz			
Weight laser head <sup>2</sup>	2.5 kg			
Weight controller <sup>2</sup>	1 kg			

<sup>1</sup> please inquire for possible combinations of average power and pulse repetition rate

<sup>2</sup> exact size and weight depend on model

## Sample data Katana – 10

