

# Katana



Versatile picosecond laser system 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 (up to) <sup>1</sup>	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) <sup>1</sup>	20 nJ	20 nJ	100 nJ	100 nJ
Pulse duration	30 ps – 1 ns			
Spectral bandwidth (down to)	0.1 nm			
Output	PM fiber or collimated free space, $M^2 < 1.1$			
PER	>17 dB			
Timing Jitter (down to)	3 ps			
Amplitude noise (10h)	< 3 % rms			
Warm-up time	< 15 minutes			
Specs guaranteed	15 °C – 35 °C			
Storage temperature	–15 °C – 65 °C			
Power consumption	< 40 W			
Power supply	90 – 264 VAC, 47 – 63 Hz			
Typical size <sup>2</sup>	224 x 281 x 134 mm <sup>3</sup>			
Typical weight <sup>2</sup>	3.5 kg			

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

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

## Sample data Katana – 10

