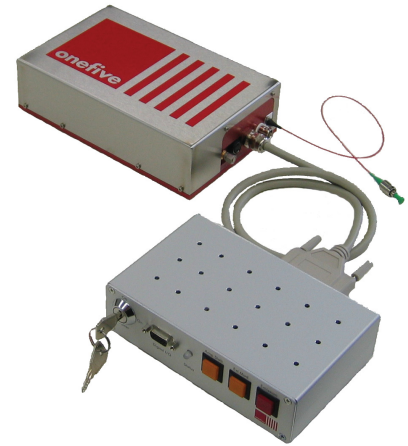


Katana



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 ¹		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 ⁴ 000		
Size laser head ²		306 x 112 x 54 mm ³		
Size controller ²		165 x 105 x 60 mm ³		
Power consumption		< 40 W		
Power supply		90 – 264 VAC, 47 – 63 Hz		
Weight laser head ²		2.5 kg		
Weight controller ²		1 kg		

¹ please inquire for possible combinations of average power and pulse repetition rate

² exact size and weight depend on model

Sample data Katana – 10

