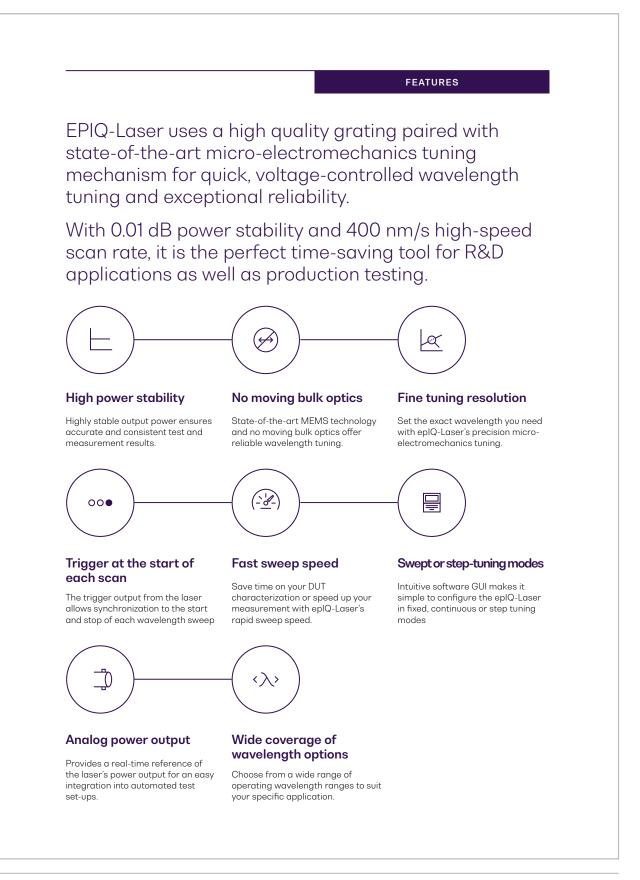


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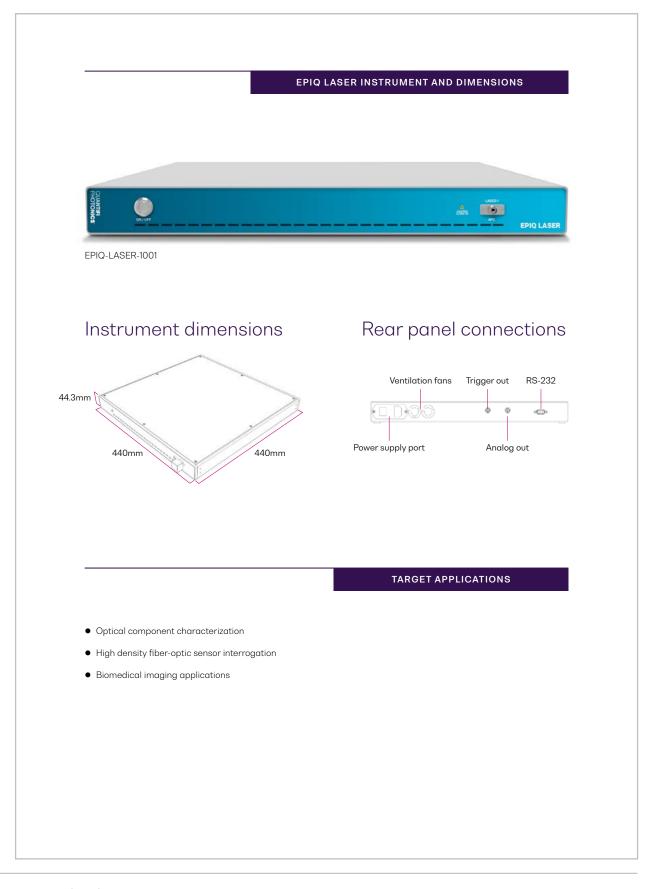
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EPIQ LASER TECHNICAL SPECIFICATIONS

General Specifications	1001	1002	1003
Operating wavelength range ¹	1260 to 1340 nm	1260 to 1420 nm	1520 to 1580 nm
Output power (one port)	≥ 5 mW	≥ 2 mW	≥ 10 mW
Power stability ²	± 0.01 dB	± 0.01 dB	± 0.01 dB
Power repeatability ³	≤ ± 0.05 dB	≤ ± 0.05 dB	≤ ± 0.05 dB
Wavelength stability ²	≤ ± 10 pm	≤ ± 10 pm	≤ ± 10 pm
Wavelength tuning resolution	≤ 10 pm	≤ 10 pm	≤ 10 pm
Signal to Source ASE Ratio ⁴	≥ 60 dB	≥ 60 dB	≥ 60 dB
Linewidth (FWHM)	18 to 53 GHz	18 to 53 GHz	≤ 53 GHz
Step tuning time	50 ms	50 ms	50 ms
Maximum sweep speed	400 nm/s	400 nm/s	400 nm/s
Power supply	110/220 V; 50/60 Hz; 60 W	110/220 V; 50/60 Hz; 60 W	110/220 V; 50/60 Hz; 60 W
Trigger output (BNC)	4 V pulse during sweep, 0 V when sweep has completed	4 V pulse during sweep, 0 V when sweep has completed	4 V pulse during sweep, 0 V when sweep has completed
Analog power output (BNC)	0 to 4 V linearly proportional to laser power in mW	0 to 4 V linearly proportional to laser power in mW	0 to 4 V linearly proportional to laser power in mW

General Specifications	1004	1005	1006
Operating wavelength range ¹	1260 to 1340 nm	1260 to 1420 nm	1520 to 1580 nm
Output power (one port)	≥5 mW	≥ 2 mW	≥ 10 mW
Power stability ²	± 0.01 dB	± 0.01 dB	± 0.01 dB
Power repeatability ³	≤ ± 0.05 dB	≤ ± 0.05 dB	≤ ± 0.05 dB
Wavelength stability ²	≤ ± 10 pm	≤ ± 10 pm	≤ ± 10 pm
Wavelength tuning resolution	≤ 10 pm	≤ 10 pm	≤ 10 pm
Signal to Source ASE Ratio ⁴	≥ 60 dB	≥ 60 dB	≥ 60 dB
Linewidth (FWHM)	< 200 MHz	< 200 MHz	< 200 MHz
Step tuning time	50 ms	50 ms	50 ms
Maximum sweep speed	120 nm/s	120 nm/s	120 nm/s
Power supply	110/220 V; 50/60 Hz; 60 W	110/220 V; 50/60 Hz; 60 W	110/220 V; 50/60 Hz; 60 W
Trigger output (BNC)	4 V pulse every 10 pm	4 V pulse every 10 pm	4 V pulse every 10 pm
Analog power output (BNC)	0 to 4 V linearly proportional to laser power in mW	0 to 4 V linearly proportional to laser power in mW	0 to 4 V linearly proportional to laser power in mW

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 Notes

 1. Wavelength is calibrated as "Mean wavelength".

 2. When measured after warm-up time, measurements over 1 25-1C.

 3. For output power > 0 dBm with Tuning Speed 100nm/s, repeated over 100 measurements

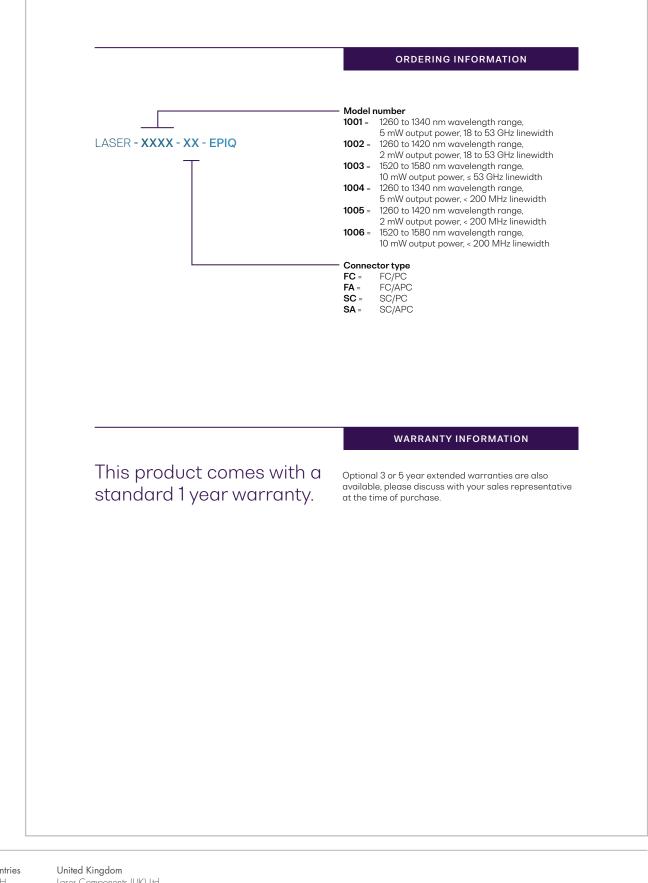
4. ASE is measured at 0.1 nm bandwidth and +-1 nm away from center wavelength

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