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PART NUMBER 1064L-25B ITEM NAME 1064 NM SLM LASER (DPSS; PM FIBER)

PRODUCT DATASHEET

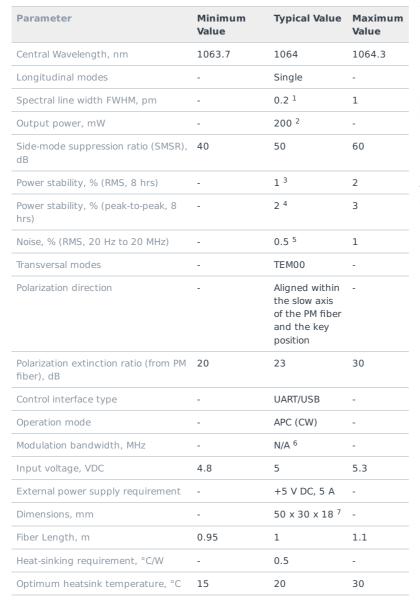
DESCRIPTION

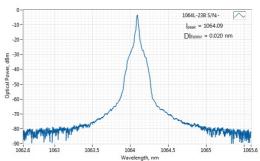
Near infrared, 1064 nanometer DPSS laser is used in number or metrology, homeland security and military applications. Small size and all-in-one concept of the MatchBox series makes the laser ready for integration into portable handheld devices. This particular 1064 nm narrow bandwidth laser provides 200 mW out of SM PM fiber.

SPECIFICATIONS

Last edited on: 24 January 2019

TYPICAL SPECTRUM





Typical spectrum of 1064 nm DPSS laser. Measured with 20 pm resolution.

Warm up time, mins (cold start)	1	3	5
Temperature stabilization	-	Yes	-
Overheat protection	-	Yes	-
Storage temperature, °C (non- condensing)	-10	-	50
Net weight, kg	0.1	0.12	0.14
Max. power consumption, W	5	10	20
Warranty, months (op. hrs)	-	14 (10000) ⁸	-
RoHS	-	Yes	-
CE compliance	-	- General Product Safety Directive (GPSD) 2001/95/EC - (EMC) Directive 2004/108/EC	-
Laser Safety Class	-	3B	-
OEM lasers are not compliant with	-	IEC60825- 1:2014 (compliant using additional accessories)	-
Country of origin	-	Lithuania	-

 $^{\rm 1}$ Measured with a scanning Fabry-Perot interferometer having 7.5 Mhz resolution, with scanning frequency of about 10 Hz. Interferometer testing is not provided for each laser being manufactured, the standard test is OSA measurement with 10-20 pm resolution instead.

² The optical power of SLM lasers shall not be tuned and SLM performance is not guaranteed at power ratings other than the factory preset. However, the power setting capability is not disabled. External attenuators are recommended.

 3 Long term power test is carried out using an optical power meter with an input bandwidth of 10 Hz. Actual measurement rate has a period of about 20 seconds to 1 minute.

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⁵ Noise level is measured with a fast photodiode connected to an oscilloscope. The overall system bandwidth is from 2 kHz to 20 MHz.

⁶ SLM lasers shall not be modulated - use external modulators instead.

⁷ Excluding control interface pins and an output window/fiber assembly.

⁸ Whichever occurs first. The laser has an integrated operational hours counter.

Note: Product specifications are subject to change without prior notice to improve reliability, function or design or otherwise.