

NANOSECOND PULSED LASERS



The Match Box Series includes several variants of pulsed lasers. Matchbox lasers show that small dimensions and high performance are not mutually exclusive.

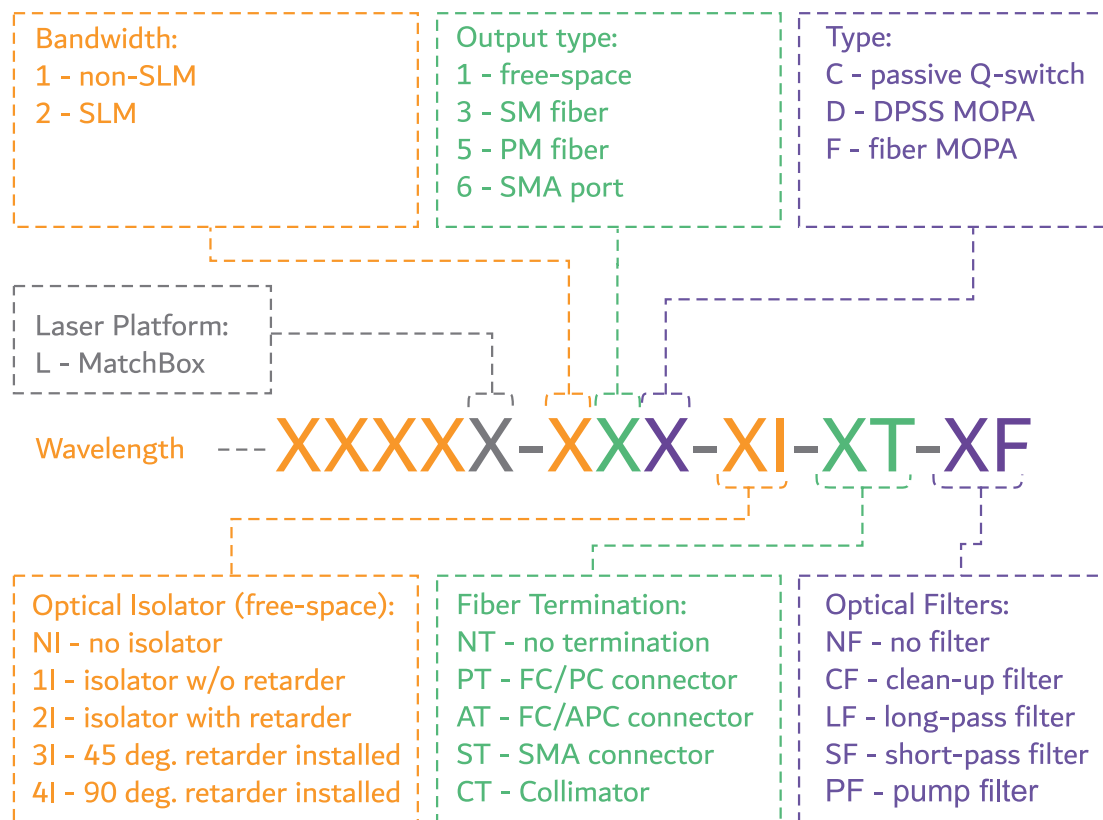
μ Flash laser is an OEM dedicated platform, without included electronics for extremely compact and powerful LiDAR and range finding applications.



ADVANTAGES

- Same size and a interface as of CW MatchBox lasers
- High pulse energy
- High average power
- Superb pulse-to-pulse stability in SLM operation

PART NUMBERS OF PULSED LASERS



SPECIFICATIONS

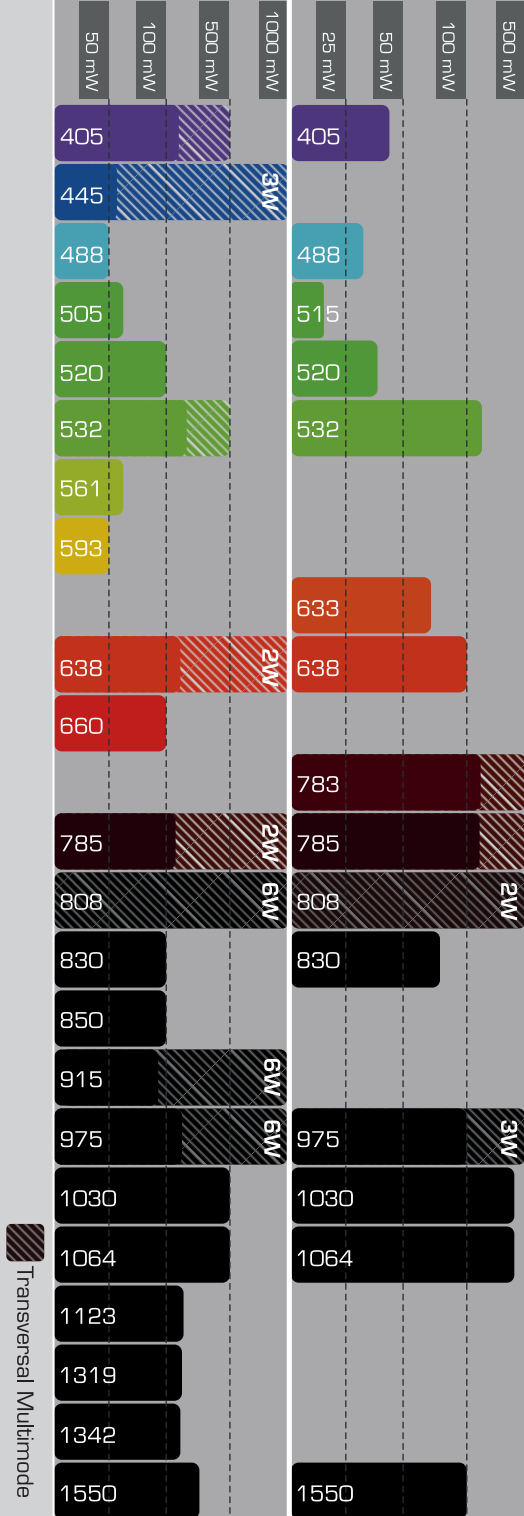
Part Number	Wavelength, nm	Spectral line-width FWHM, pm*	Output power, mW	Pulse duration, ns	Pulse Energy, μJ	Repetition rate, kHz	Power stability, % (RMS, 8 hrs)*	Pulse-to-pulse stability, %*
1030L-11C	1029.5	1000	150	1	100	1.5	0.5	2
1030L-21C	1029.2	1	250	1.6	50	5	0.5	2
1030L-21C	1029.2	1	350	2.2	35	10	0.5	2
1030L-21C	1029.2	1	700	3.6	10	35	0.5	2
0515L-21C	514.6	1	130	1.6	25	10	0.5	2
0515L-21C	514.6	1	180	2.2	18	10	0.5	2
0515L-21C	514.6	1	200	3.6	6	10	0.5	2

* Typical performance (full specification available at <https://integratedoptics.com/products/nanosecond-lasers>)

- Pulse energy and repetition rate can be adjusted according to customers requirements.
- Repetition rate changes upon changing the average output power, the pulse energy remains constant.
- Triggering on request

Regular Spectrum

Narrow Spectrum



Transversal Multimode



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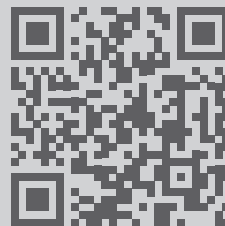
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**PHOTO
TECHNICA**

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