

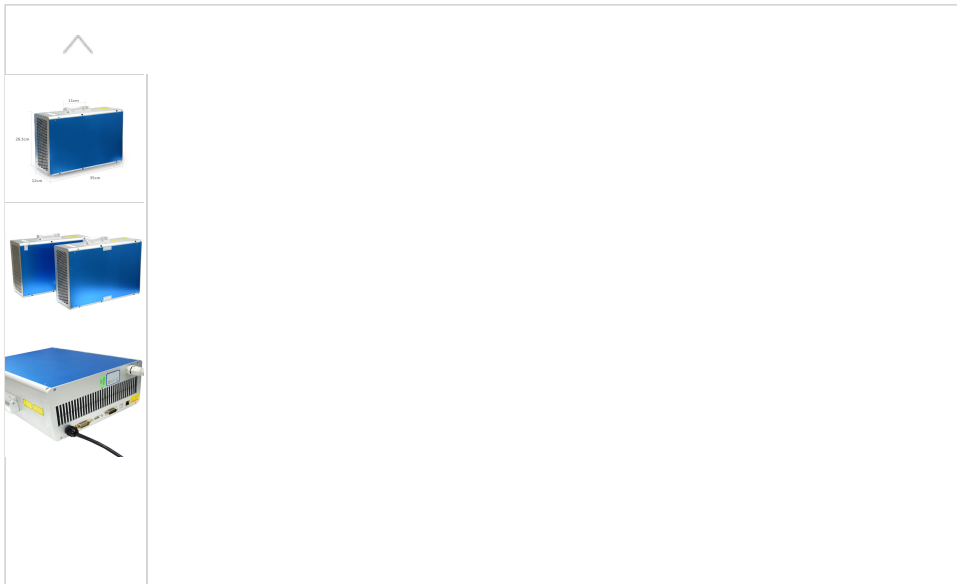


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- All
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- CW fiber laser series
- Research fiber laser series
- Semiconductor laser series
- Optical passive d

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Q-Switched Smart Laser

The Smart laser is a highly sophisticated product manufactured by Maxphotonics. It integrates the homemade control software with the traditional marking hardware together and can be connected to remote devices via WIFI. It is maintenance-free and consumables-free and convenient for integration and function development, which is revolutionary in the area of high-speed and high-resolution marking.

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Product features

- Smallest compact in the world.
- Laser core + Smart core
- OEM acceptable

Product parameters

Optical Characteristic Parameters						
No.	Characteristics	Test conditions	Min.	Nom.	Max.	Unit
1	Mode	Pulse				
2	Polarization	Random				
3	Beam Quality M^2	Pout=Pnom	1.1	1.3	1.6	
4	Center Wavelength	Pout=Pnom	1055	1064	1070	
5	Spectrum Width (3dB)	Pout=Pnom		5	10	
6	Average Optical Power(Pnom)		19.5	20	20.5	W
7	Power Range		10		100	%
8	Single Pulse Energy			0.67		mJ
9	Optical Pulse Width (FWHM)		90	100	110	ns
10	Pulse Repetition Frequency (PRF.)		30		60	KHz
11	Output Power Stability	Pout=Pnom			5	%

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12	Beam Diameter	1/e2	6	7.5	9	mm
13	Beam Ellipticity		90			%
14	Delivery Cable Length		1.9	2.5	3	m
15	Laser Startup Time	Pout=Pnom, 10%~90%		110	140	us
16	Laser Shutdown Time	Pout=Pnom, 90%~10%		110	150	us

General Characteristic Parameters

No.	Characteristics	Test conditions	Min.	Nom.	Max.	Unit
1	Operating Environment Temperature		10		42	
2	Storage Temperature		-10		60	
3	Cooling Method	Air-cooling				
4	Warm Up Time	-Operate			1	
		-Stable			10	
5	Operating Environment humidity		10		95	%
6	Dimensions	300*250*120				mm
7	Weight			11.4		Kg
8	Power Consumption		23	24	25	VDC

For reference only. Other beam diameter available by order.

Samples display



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Advertising Industry



Jewelry industry



The electronics industry

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