



Microchip Lasers for Micromachining



Key Features

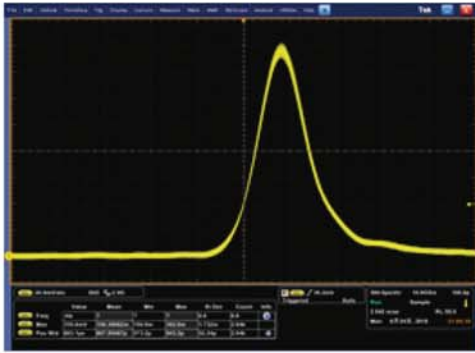
- ◆ Excellent beam quality-TEM₀₀
- ◆ High energy density, pulse down to 300ps
- ◆ High energy stability
- ◆ Wide temperature range
- ◆ Compact solution upon request
- ◆ Different wavelengths available
- ◆ Isolators available

Applications

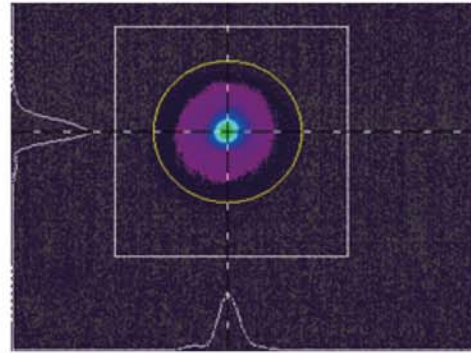
- ◆ Marking, Slotting, Drilling of FPC or PCB
- ◆ Scribing & Marking of Gemstone
- ◆ Ceramic Processing
- ◆ Marking of Glass or Resin
- ◆ Scribing & Marking of other Hard Materials

Wavelength (nm)	Part Number	Repetition Rate (kHz)	Single Pulse Energy (μJ)	Average Power (mW)	Pulse (ps)	Power Stability (8hrs)	Spatial Mode	Divergence (mrad)
1064	MCC-1064-1-150	1	150	150	650	±3%	TEM ₀₀	Typ.6-8
	MCE-1064-4-100	4	100	400	950			
	MCH-1064-5-015	5	15	75	300			
	MCE-1064-8-060	8	60	480	950			
	MCH-1064-10-010	10	10	100	300			
	MCH-1064-20-005	20	5	100	300			
	MCG-1064-50-1.5	50	1.5	75	500			
	MCG-1064-100-001	100	1	100	500			
532	MCC-532-1-080	1	80	80	600			
	MCE-532-4-040	4	40	160	900			
	MCH-532-5-008	5	8	40	280			
	MCE-532-8-030	8	30	240	900			
	MCH-532-10-003	10	3	30	280			
	MCH-532-20-2.5	20	2.5	50	280			
	MCG-532-50-0.5	50	0.5	25	450			
	MCG-532-100-0.3	100	0.3	30	450			
355	MCC-355-1-025	1	25	25	600			
	MCE-355-4-020	4	20	80	900			
	MCH-355-5-003	5	3	15	280			
	MCE-355-8-10	8	10	80	900			
	MCH-355-10-002	10	2	20	280			
	MCG-355-10-0.5	10	0.5	5	500			
266	MCE-266-4-002	4	2	8	900			
	MCH-266-5-001	5	1	5	280			
	MCE-266-8-001	8	1	8	900			
	MCH-266-10-0.5	10	0.5	5	280			

Note: Other parameters are available upon request!



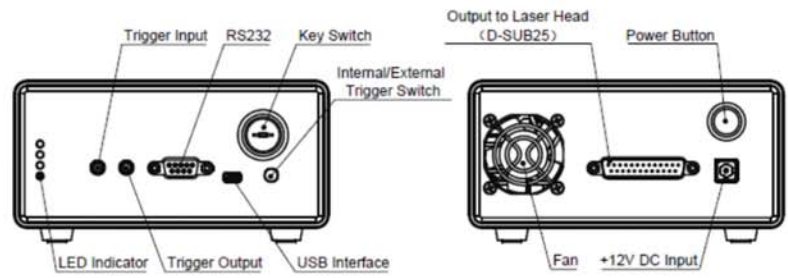
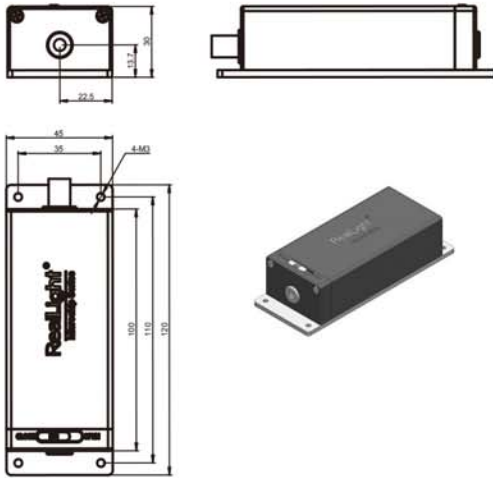
Typical pulse



Beam profile

Mechanical Drawings

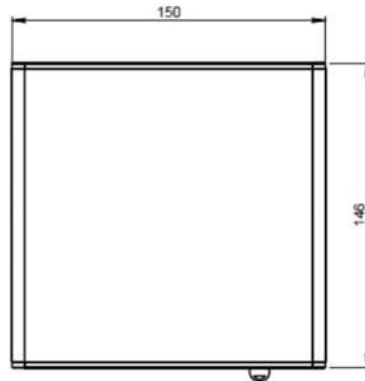
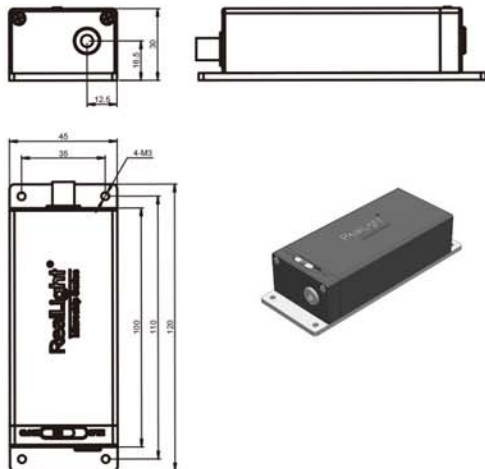
MCC, MCE Series



Front View

Back View

MCG, MCH Series



Top View

Unit: mm