

# Maple Low-Power

Nanosecond short pulse width

## Features

- » Compact design and easily integration
- » Shorter pulse width, better processing result
- » Air cooled design



3C Industry



White Household Appliance



Food Packaging



Medical Industry



3D Printing



Electronic Component



## Specification

Mode	Maple-355-3	Maple-532-7
Center Wavelength	355 nm	532 nm
Average Power	>3 W	>7 W
Energy	>70 $\mu$ J@50 kHz	>160 $\mu$ J@50 kHz
Repetition Rate	20 Khz- 200 kHz	20 Khz- 200 kHz
Pulse Width	<10 ns@50 kHz	<22 ns@50 kHz
Spatial Mode	TEM <sub>00</sub> (M <sup>2</sup> $\leq$ 1.2)	TEM <sub>00</sub> (M <sup>2</sup> $\leq$ 1.2)
Beam Divergence	$\leq$ 2 mrad	$\leq$ 2 mrad
Astigmatism	<0.2	<0.2
Beam Circularity	$\geq$ 90%	$\geq$ 90%
Polarization Ration	>100:1	>100:1
Polarization Direction	Horizontal	Vertical
Beam Pointing Stability	<25 $\mu$ rad/°C	<25 $\mu$ rad/°C
Pulse Energy Stability	$\leq$ 3% RMS	$\leq$ 3% RMS
Power Stability	$\leq$ 3% RMS	$\leq$ 3% RMS
Long-term Pointing Stability	<25 $\mu$ rad/°C	<25 $\mu$ rad/°C
External Comms	RS-232	RS-232
Beam Diameter, 0,3m	$\leq$ 2mm	$\leq$ 2mm
Working Material	Nd:YV <sub>4</sub> O	Nd:YV <sub>4</sub> O
Warm-up Time	< 15 min	< 15 min
Operation Temperature	+10 to +35 °C	+10 to 35 °C
Cooling	Air	Air
Power Supply	230V AC, 50/60Hz (600W)	230V AC, 50/60Hz (600W)