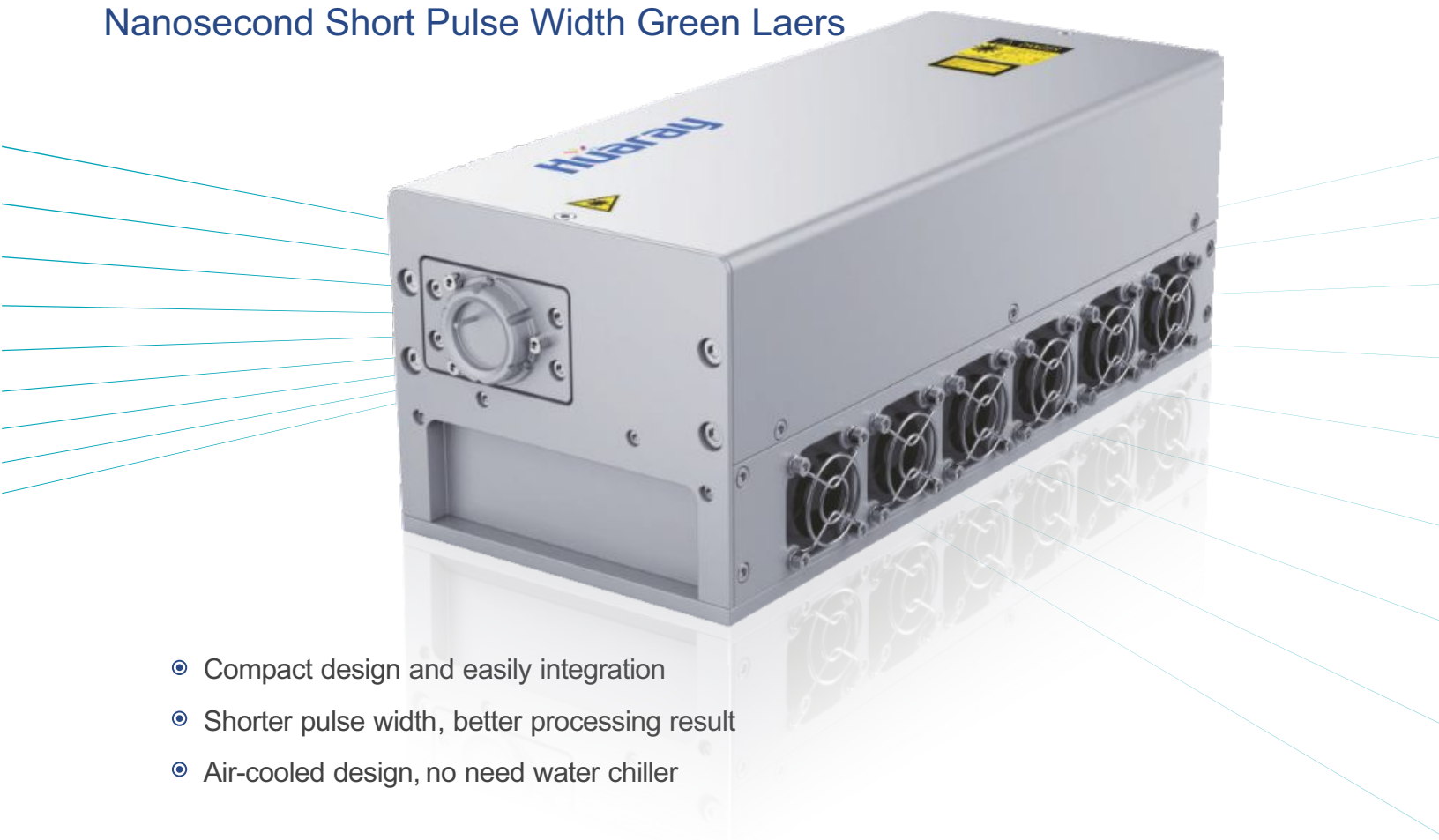
# Maple Low-Power

## Nanosecond Short Pulse Width Green Laers




- Compact design and easily integration
- Shorter pulse width, better processing result
- Air-cooled design, no need water chiller

Application.

3C Industry | White Household Appliance | Food Packaging | Medical Industry | 3D Printing | Electronic Component

The brand new Air-Cooled Low-Power Nanosecond Green Laser is compact design and easily integration.

Cooling fan integrated into cavity, no water chiller needed. Extremely short pulse width can perform perfect processing on micro machining, which is used for high quality process requirement. It is mainly applied in the 3C industry for precision marking, marking of white household appliances, flying marking, food and medical industry, 3D printing etc.

Huaray

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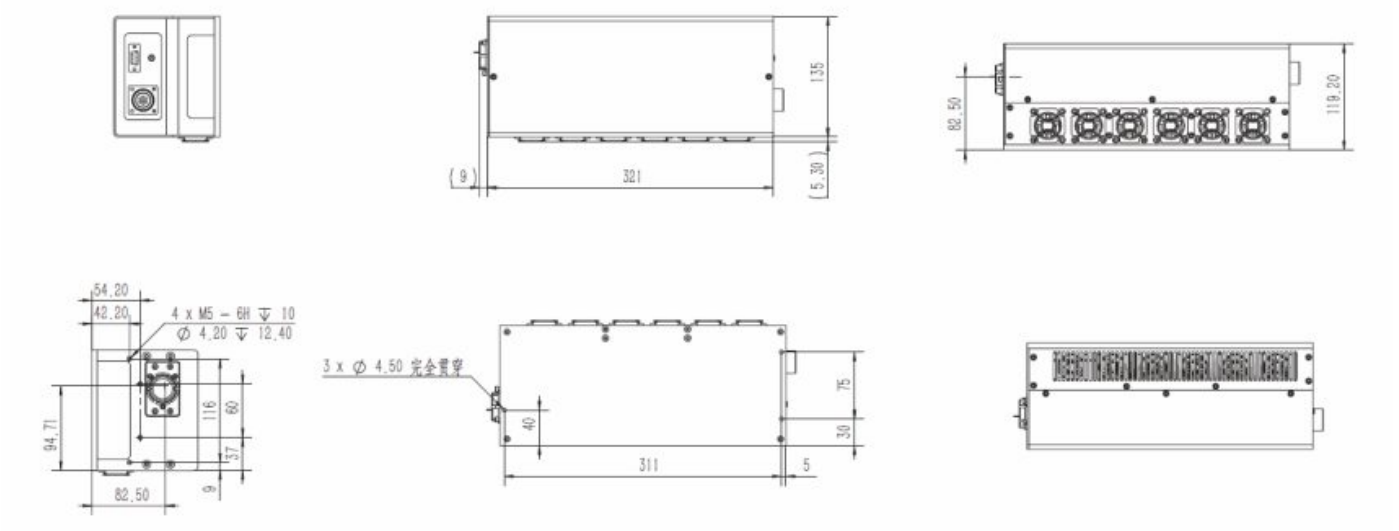
# Maple Green Laser Datasheet

| SPECIFICATIONS | Maple-532-7 |
|---|---|
| Fundamental Center Wavelength | 532 nm |
| Output Power | >7W |
| Energy | >160μJ@50kHz |
| Repetition Rate | 20kHz-200kHz |
| Pulse Width | <22ns@50kHz |
| Spatial Mode | $TEM_{00}$($M^2$≤1.2) |
| Beam Divergence | ≤2mrad |
| Astigmatism | <0.3 |
| Beam Circularity | ≥90% |
| Polarization Ratio | >100:1 |
| Polarization Direction | Vertical |
| Beam Pointing Stability | <25μrad/°C |
| Pulse Energy Stability | ≤3%RMS |
| Power Stability | ≤3%RMS |
| Long-term Pointing Stability | <25μrad/°C |
| External Comms | RS-232 |
| Beam Diameter, 0.3m in Front of Laser | ≤2mm |
| Working Material | Nd:$YVO_4$ |
| Warm-up Time | <15min |
| Operating Temperature | +10 to +30°C |
| Operating Humidity | <65% |
| Non-Operation(Storage) Temperature | -10 to +45°C |
| Shipping Temperature(Non-condensing) | -10 to +45°C |
| **Cooling** | Air |
| **Power Supply ( Consumption )** | 110/220V AC, 50/60Hz ( 600W ) |
| Classification | Class 4 |

## Mechanical Specifications

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