

355nm Solid-state picosecond laser

ULTRAFAST PULSED LASERS



355nm Solid-state picosecond laser The solid-state laser-based solution achieves high repetition rate, high power 355nm laser output, which is suitable for applications such as precision detection.

- Narrow Pulse Width High
- Power Excellent Beam Quality
- High Power Stability
- Atomic and Molecular Photophysics
- Quantum Computing Semiconductor Inspection

Specifications

| Parameter | PL-PS-355-xx (1) |
|-----------------------------|-------------------------------------|
| Center Wavelength | 355nm (2) |
| Operation Mode | pulse |
| Average Power | >1W / >5W / >8W |
| Repetition Rate | 70MHz-100MHz (3) |
| Repetition Rate Lock Option | <1mHz@24h |
| Pulse Width (4) | <50ps @1064nm / <20ps @1064nm |
| Spectral Width (4) | <60pm @1064nm / <100pm @1064nm |
| Beam Waist Diameter | 1.3-1.7mm |
| Beam Divergence | <0.5mrad |
| Pointing Stability | <20urad/K |
| Power Stability | <0.75% @3hrs, RMS |
| Beam Quality | TEM00, M ² <1.2 |
| Cooling | Water Cooling |
| Temperature | 15-35°C(No condensation conditions) |
| Power Supply | 100V-240V AC, 50/60Hz |

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.