

# S-5-355-N1-Pro

## Features

- » Compact construction
- » >8,000 hours life-time
- » Sealed housing
- » Competitive price
- » Performance improvement



## Specification

| Mode                    | S-5-355-N1-PRO                           |
|-------------------------|------------------------------------------|
| Center Wavelength       | 355 nm                                   |
| Average Power<br>Energy | >5 W@50 kHz<br>>100 µJ@50 kHz            |
| Repetition Rate         | 40 KHz- 200 kHz                          |
| Pulse Width             | 5-30 ns<br>(15±2ns@50 kHz)               |
| Spatial Mode            | TEM <sub>00</sub> (M <sup>2</sup> ≤ 1.3) |
| Beam Divergence         | ≤1 mrad                                  |
| Astigmatism             | <0.2                                     |
| Beam Circularity        | ≥90%                                     |
| Polarization Ration     | >100:1                                   |
| Polarization Direction  | Horizontal                               |
| Pulse Energy Stability  | ≤3% RMS                                  |
| Power Stability         | ≤3% RMS                                  |
| Beam Diameter           | 3-4 mm (8x)                              |
| Working Material        | Nd:YV <sub>4</sub> O                     |
| Warm-up Time            | < 8 min                                  |
| Operation Temperature   | +15 to +35 °C                            |
| Ambient Humidity        | 30-90% (non-condensing)                  |
| Cooling                 | Water                                    |
| Power Supply            | 24 VDC                                   |
| Working current         | 10 A                                     |
| Cooling capacity        | > 580 W                                  |
| Water flow              | > 4 L/min                                |
| Pump lift               | > 18 m                                   |
| temperature control     | 25±0.1 °C                                |

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