

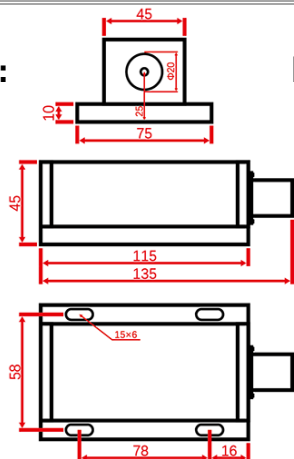
### 523.5nm Green DPSS Q-Switched Pulsed Laser



#### †Specifications

|                                       |   |   |
|---------------------------------------|---|---|
| Product Code                          | SSL - 523 - XXXX - XXM - Q  |   |
| Wavelength [ nm ]                     | 523.5   |   |
| Average Power [ mW ] =                | 1 - 80 ( Single Pulse Energy [ $\mu$ J ] $\times$ Rep. rate [ kHz ] ) |   |
| Transverse Mode / Operating Mode      | TEM <sub>00</sub> / Q-Switched Pulsed                                 |   |
| Single Pulse Energy [ $\mu$ J ]       | 1 - 10  |   |
| Pulse Duration [ ns ]                 | ~ 15  |   |
| Peak Power [ W ]                      | 80 - 800  |   |
| Operating Temperature [ °C ]          | +10 - +35   |   |
| Storage Temperatures [ °C ]           | -10 - +45   |   |
| Warm-up Time [ minutes ]              | < 15  |   |
| Power Stability [ rms, over 4 hours ] | 5%, 3%, 1%  |   |
| M <sup>2</sup> Factor                 | < 1.2   |   |
| Beam Diameter At The Aperture [ mm ]  | ~ 1.5   |   |
| Beam Divergence, Full Angle [ mrad ]  | < 1.5   |   |
| Noise of Amplitude [ rms ]            | < 30%   |   |
| Rep. rate [ kHz ]                     | Controllable  | Specified One rep. rate, such as 1k, 2k, 3k, up to 4kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period)<br>Different rep. rate in the range of 1Hz-4kHz can be obtained by input an external TTL signal |
|                                       | Uncontrollable  | Undefined rep. rate among 5k-20kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.  |
| Laser Head Dimensions [ mm ]          | 135 [L] $\times$ 75 [W] $\times$ 45 [H]                               |   |
| Power Supply Dimensions [ mm ]        | 130 [L] $\times$ 120 [W] $\times$ 55 [H]                              |   |
| Working Voltage [ VAC ]               | 85~245, 50/60Hz   |   |
| Laser Gross Weight [ kg ]             | 1.5   |   |
| Cooling Way                           | Cooled by TEC and air   |   |
| Expected Lifetime [ hours ]           | > 10000   |   |
| Warranty Time                         | 1 year  |   |

**Laser Head Dimension:**



**Power Supply Dimension:**

