

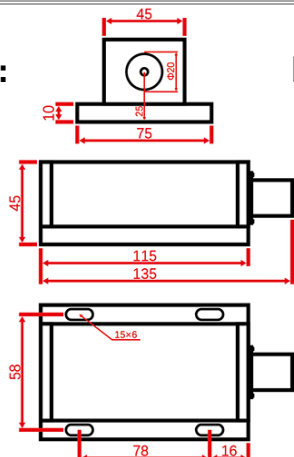
## 1053nm Infrared DPSS Q-Switched Pulsed Laser



### †Specifications

<b>Product Code</b>	SSL - 1053 - XXXX - XXM - Q	
<b>Wavelength [ nm ]</b>	1053	
<b>Average Power [ mW ] =</b>	1 - 200 ( Single Pulse Energy [ $\mu$ J ] $\times$ Rep. rate [ kHz ] )	
<b>Transverse Mode / Operating Mode</b>	TEM <sub>00</sub> / Q-Switched Pulsed	
<b>Single Pulse Energy [ <math>\mu</math>J ]</b>	1 - 20	
<b>Pulse Duration [ ns ]</b>	~ 15	
<b>Peak Power [ W ]</b>	600 - 2000	
<b>Operating Temperature [ °C ]</b>	+10 - +35	
<b>Storage Temperatures [ °C ]</b>	-10 - +45	
<b>Warm-up Time [ minutes ]</b>	< 15	
<b>Power Stability [ rms, over 4 hours ]</b>	5%, 3%, 1%	
<b>M<sup>2</sup> Factor</b>	< 1.2	
<b>Beam Diameter At The Aperture [ mm ]</b>	~ 1.5	
<b>Beam Divergence, Full Angle [ mrad ]</b>	< 1.5	
<b>Noise of Amplitude [ rms ]</b>	< 30%	
<b>Rep. rate [ kHz ]</b>	<b>Controllable</b>	Specified One rep. rate, such as 1k, 2k, 3k, up to 4kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period) Different rep. rate in the range of 1Hz-4kHz can be obtained by input an external TTL signal
	<b>Uncontrollable</b>	Undefined rep. rate among 5k-20kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
<b>Laser Head Dimensions [ mm ]</b>	135 [L] $\times$ 75 [W] $\times$ 45 [H]	
<b>Power Supply Dimensions [ mm ]</b>	130 [L] $\times$ 120 [W] $\times$ 55 [H]	
<b>Working Voltage [ VAC ]</b>	85~245, 50/60Hz	
<b>Laser Gross Weight [ kg ]</b>	1.5	
<b>Cooling Way</b>	Cooled by TEC and air	
<b>Expected Lifetime [ hours ]</b>	> 10000	
<b>Warranty Time</b>	1 year	

**Laser Head Dimension:**



**Power Supply Dimension:**

