


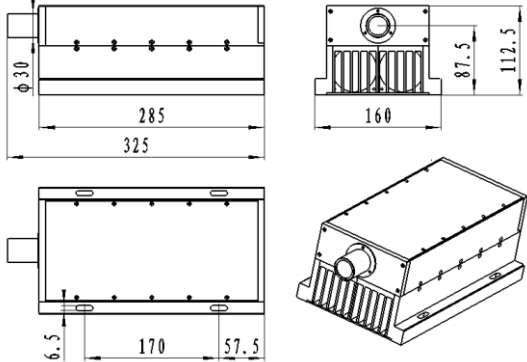

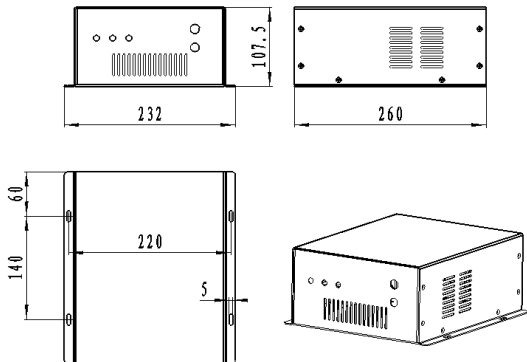
DATA SHEET

LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER AT 1064nm

All solid state Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry, such as marking on diamonds or metals, teaching of nonlinear optics.

Wavelength (nm)	1064±1
Operating mode	Passively Q-switched
Output average power (mW)	5000 ~ 7000
Rep. rate (KHz)	15K ~ 25KHz
Pulse duration (ns)	5~7
Peak power (kW)	>40
Ave power stability (over 8 hours)	<5%
Transverse mode	Near TEM ₀₀
Warm-up time (minutes)	<10
M ² factor	<1.5
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (mm)	~10
Beam height from base plate (mm)	87.5
Operating temperature (°C)	10~35
Power supply (90-264VAC)	CST-HPS
Cooling system	Air
Expected lifetime (hours)	10000
Pilot light	<3mW @ 640nm
Warranty period	1 year



Model: CST-1064Q-HP	Laser Head Dimensions	Model: CST-HPS	Power Supply Dimensions
	 <p>325mm(L)×160mm(W)×112.5mm(H), 6.0kg</p>		 <p>260mm(L)×232mm(W)×107.5mm(H), 2.9kg</p>