DPS-589-R/1-5mJ

HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 589nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in Lidar, Laser spectroscopy, Sensing and metrology, and so on.

SPECIFICATIONS

Wavelength (nm)	589±1
Operating mode	Actively
Single pulse energy (mJ)	1-5
Pulse duration (ns)	<10
Jitter (ns, sdev)	<1ns (Int.)
Rep. rate [1]	1-100Hz (adjustable)
Energy stability (std dev/mean)	<5%,<3%
Beam divergence, full angle (mrad)	<25
Beam diameter (mm)	~5×5
Warm-up time (minutes)	<15
Cooled method	Air cooled or water cooled
Operating temperature (℃)	15-30
Operating voltage (VDC)	48V/7.3A
Expected lifetime (pulses)	10^9

1 Both internal trigger and external trigger are acceptable.