

EO-355-H/0.1~0.2mJ

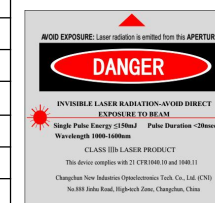
HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 355nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in scientific research, biology, instrumentation, 3D marking, laser marking, sub-surface engraving and so on.



SPECIFICATIONS

| | | | |
|------------------------------------|--|----------------------------|---------------------------|
| Wavelength (nm) | 355±1 | | |
| Operating mode | Q-switched: EO (Electro-optic) | | |
| Single pulse energy (mJ) | 0.1 | 0.2 | |
| Pulse duration (ns) | <6 | | |
| Rep. rate (kHz) | One fixed value between 2~7kHz | | |
| Power stability (rms) | <2%, <3% | | |
| Pointing stability (urad, std) | <20 | | |
| Beam divergence, full angle (mrad) | <3 | | |
| Beam diameter (mm) | ~1 | | |
| Beam height from base plate (mm) | 31 | 77.5 | 72 |
| Warm-up time (minutes) | <15 | | |
| Cooled method | Conduction (EO-355-H- I) | Conduction (EO-355-H- II) | Air cooled (EO-355-H-III) |
| Operating temperature (°C) | 15~30 | | |
| Power supply (DC 15V, 20A) | PSU-EO-H | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty period | 1 year | | |
| Options | Repetition rate 1~200KHz available. Volume will be increased appropriately. | | |



| EO-355-H- I | EO-355-H- II | EO-355-H-III | PSU-EO-H(DC 15V, 20A) |
|--|--|--|--|
| <p>235(L)×100(W)×44(H)mm³ 2.2kg Heat dissipation is offered by customer (>70W)</p> | <p>235(L)×100(W)×44(H)mm³ 5kg Heat dissipation is offered by customer (>70W)</p> | <p>235(L)×80(W)×100(H)mm³ 3kg</p> | <p>290(L) ×142(W) ×112(H) mm³ 3.5kg</p> |