

## NDYAG LASER WITH HARMONICS

| Sr#  | Description  | Qty |
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| 1  | <p><b><u>Nd: YAG Laser with Second (532 nm), Third (355 nm) and Fourth (266 nm) Harmonics</u></b></p> <ul style="list-style-type: none"> <li>• Repetition Rate: 20 Hz</li> <li>• Energy (mJ/Pulse): <ul style="list-style-type: none"> <li>○ 1064 nm - 420 mJ</li> <li>○ 532 nm - 160 mJ</li> <li>○ 355 nm - 100 mJ</li> <li>○ 266 nm - 40 mJ</li> </ul> </li> <li>• Pulse Width: <math>\leq 9</math>ns</li> <li>• Energy Stability: <math>\pm 2\%</math></li> <li>• Long Term Power Drift: <math>&lt; 3\%</math></li> <li>• Spatial Mode Profile: TEM<sub>00</sub></li> <li>• Near Field (1 m): <math>&gt; 70\%</math></li> <li>• Far Field (<math>\infty</math>): <math>&gt; 95\%</math></li> <li>• Modulation (max. deviation from best fit Gaussian profile measured in near field (1m) between FWHM points): <math>&lt; 30\%</math></li> <li>• Beam Diameter: <math>&lt; 10</math> mm</li> <li>• Beam Pointing Stability: <math>&lt; \pm 100</math> <math>\mu</math>rad</li> <li>• Beam Divergence: <math>&lt; 0.5</math> mrad</li> <li>• Timing Jitter: <math>&lt; 0.5</math> ns</li> <li>• Electrical Supplies: 190-260 V, single phase, 50/60 Hz</li> <li>• Weight: <ul style="list-style-type: none"> <li>○ Laser Head <math>&lt; 15</math> kg (25lb) with higher harmonics <math>&lt; 25</math> k (34 lb) (HG)</li> <li>○ Power Supply <math>&lt; 60</math> kg (132 lb)</li> </ul> </li> <li>• Computer Connectivity/Interface: Gpib or RS232, GUI table top controller</li> </ul> | One |
| <p><b><u>Notes:</u></b></p> <p>a. The laser should be able to operate continuously for 8 hours with minimal variations in mentioned specs</p> <p>b. Technical literature of the offered system must be submitted with the quotation.</p> |  |     |