



## Pulsed-DPSS Laser MPIR-P-Series

The MPIR-P series provides the shortest pulse width of < 25 ns of our Q-switched systems lasing at 1064nm in the IR spectrum. The Systems can be delivered in average power ratings of 5, 10, 20 or 50 mWatts, with max. peak powers upto 200 Watts and a repetition rate of 10 KHz. The systems are provide with factory calibrated power supply.

| Laser                      | MPIR-P-5           | MPIR-P-10 | MPIR-P-20 | MPIR-P-50 |
|----------------------------|--------------------|-----------|-----------|-----------|
| Wavelength                 | 1064 nm            |           |           |           |
| Average output power       | 5 mW               | 10 mW     | 20 mW     | 50 mW     |
| Peak Power                 | 20 W               | 40 W      | 80 W      | 200 W     |
| Pulse width                | < 25 ns            |           |           |           |
| Operating mode             | Q-switched         |           |           |           |
| Transversal mode structure | TEM00              |           |           |           |
| M <sup>2</sup>             | < 1.5              |           |           |           |
| Beam diameter              | < 1 mm             |           |           |           |
| Divergence                 | < 4 mRad           |           |           |           |
| Pointing stability         | 20 mRad/ hr.       |           |           |           |
| Polarisation               | 100 : 1            |           |           |           |
| Power stability            | < 20%/ p-p         |           |           |           |
| Repetition rate            | 10 KHz             |           |           |           |
| Operating temperature      | + 20° - + 35° C    |           |           |           |
| Warranted lifetime         | >3000 hrs.         |           |           |           |
| Average lifetime           | >5000 hrs.         |           |           |           |
| Laser head dimensions      | 196 × 73 × 46.2 mm |           |           |           |
| Power supply dimensions    | 206 × 137 × 75 mm  |           |           |           |
| Mains supply               | 100/ 240 VAC       |           |           |           |
| Power consumption          | 55 VA              |           |           |           |

