

PULSED ELECTRIC-DISCHARGE LASERS

Designed for generation of high-power pulsed radiation in the UV, IR, and visible spectral regions.

Applications:

- physical experiments on interaction of radiation with matter;
- for pumping dye lasers;
- for atmospheric sensing;
- for pumping SRS cells;
- photochemistry, biology, medicine, etc.

Specifications:

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| 1. Wavelength | 193, 222, 248, 308, 337, 350, 428, 583, 635,
641, 713, 731, 740, 755, 1040, ~2800, 10600 nm |
| 2. Output energy per pulse | from 1 mJ up to 5 J |
| 3. Pulse repetition frequency | up to 10 Hz |

Lasers have simple design and can be synchronized with other pulsed devices. In addition, lasers can be supplied with tools for laser radiation transfer by an optical waveguide: SRS cells and mirrors with metal coating applied in a special way that allows a considerable increase in beam and mechanical strength, plasma formation threshold, and corrosion resistance.

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