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Compact diode pumped laser source of eye-safe radiation

The laser source is designed for use in the range finders, guidance systems, portable spectrometers.

Technical Characteristics

Wave length: 1.54 μm;
Pulse repetition frequency: up to 5 Hz

Pulse energy: 5 mJ
maximal energy
at passive Q-switching: 11 mJ
Pulse duration: 15 ns

Pulse energy: 30 mJ
maximal energy
at electro-optical Q-switching: 35 mJ
Pulse duration: 20 ns
The parameter of the quality
output beam M^2: 1,2–1,4

Pumping is carried out of current pulses 3-5 msec duration and amplitude of 50-60A. Source is able to work in a wide temperature range without the use of special cooling systems.

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