

Firefly-IR-Long Wavelength

Compact, Widely Tunable, Pulsed
Mid-Infrared Laser Source



Applications

- Molecular Spectroscopy
- Remote sensing of hydrocarbons
- Stand-off Detection of threat agents and fugitive gas emissions
- Environmental survey and monitoring

Features

- Extremely broad tuning range
- Class-leading peak and average power
- Automated, alignment, maintenance free operation
- Instrument control by Ethernet

Typical Performance

Idler Tuning Range	5.6 – 8.5 μm
Average Output Power	~30 mW
Linewidth	<15 cm^{-1}
Pulse Duration	<50 ns
Pulse Repetition Rate	20 kHz
Beam Divergence (full angle)	<3 mR
Beam Diameter^[1]	<10 mm
Dimensions (L x W x H)	430 x 160 x 70 mm 17 x 6 x 3 inches

Notes:

1. As $1/e^2$ intensity full width.

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A complete list of our global locations is available on our website.

M Squared Laser's laser products are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Centre of Devices and Radiological Health on all systems ordered for shipment after October 1st, 2003.

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