THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

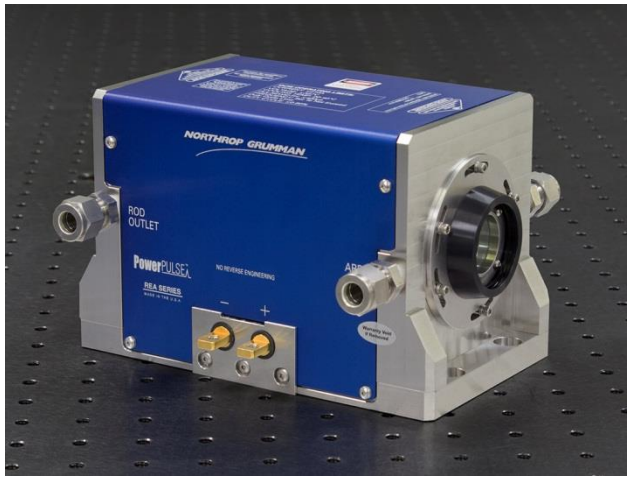
# REA25410-XP300
# 6 Joule Laser Amplifier

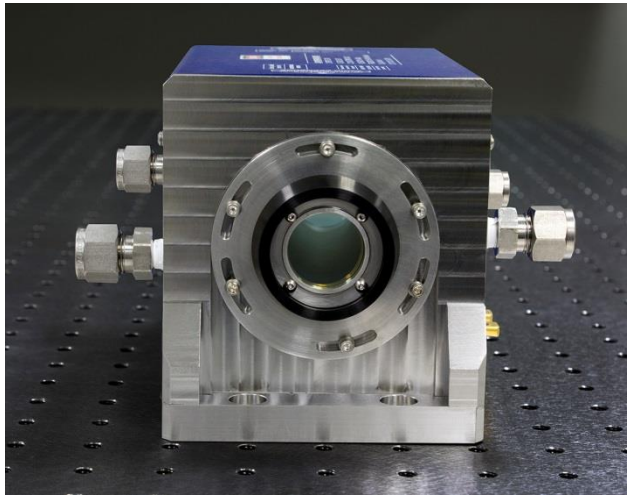

Northrop Grumman – Cutting Edge Optronics

Northrop Grumman – Cutting Edge Optronics / Phone: (636) 916-4900 / Email: st-ceolaser-info@ngc.com

# REA25410-XP300 Overview

- Laser Diode Operation: QCW
- Rod Aperture: 25.4mm Diameter
- Rod Material: Nd:YLF
- Pump Length:120mm
- Peak Pump Power: 37.5kW
- Pump Energy: 15J
- Output Energy: 5J
- Stored Energy: 6J
- Small Signal Gain: 2.2
- Operation at 20Hz, 100W AVG Power



**Customized Options Available**



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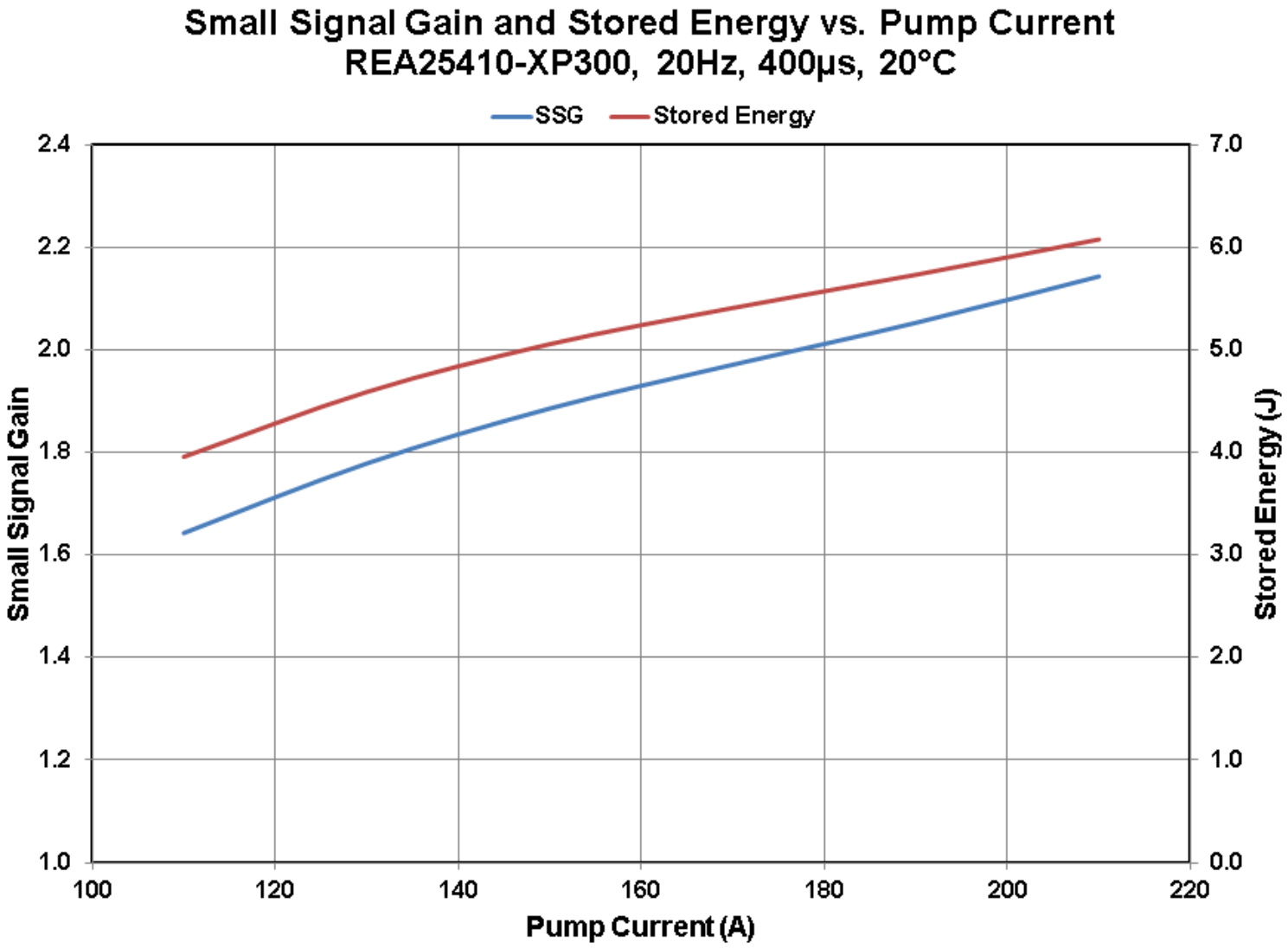
# Small Signal Gain and Stored Energy



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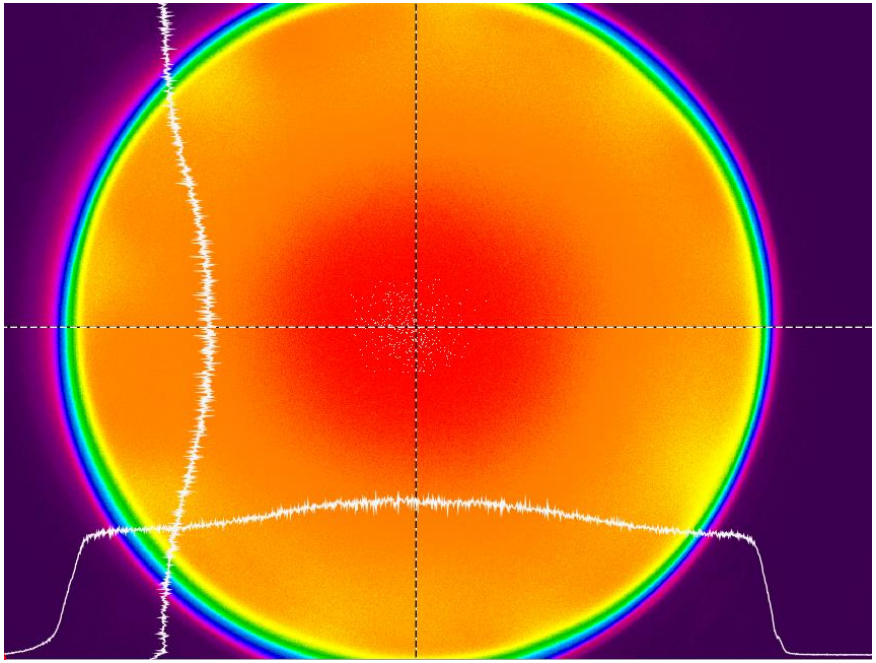
# Gain Uniformity

## REA25410-XP300 Fluorescence Profile



Nd:YLF Rod Diameter 25.4mm


US Quarter Dollar Diameter 24.26mm

- Fluorescence Profile Indicates Gain Uniformity



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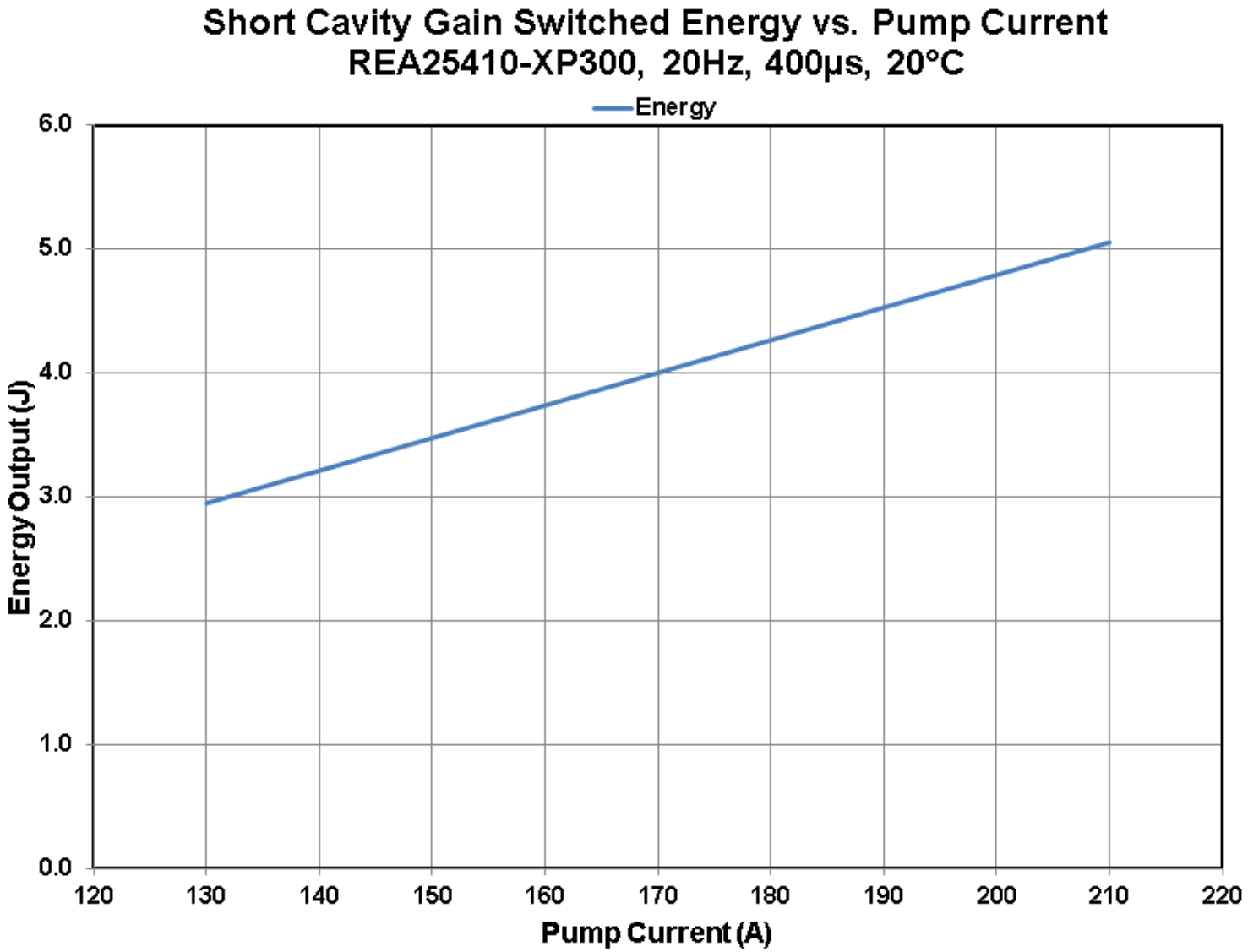
# Short Cavity Gain Switched Energy

280mm cavity, 50%R Output Coupler



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