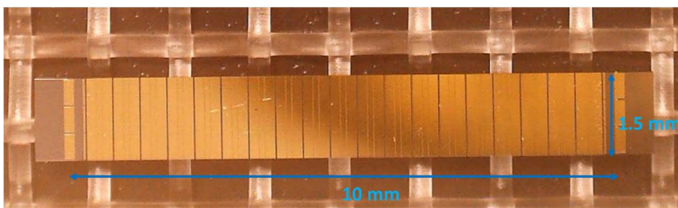




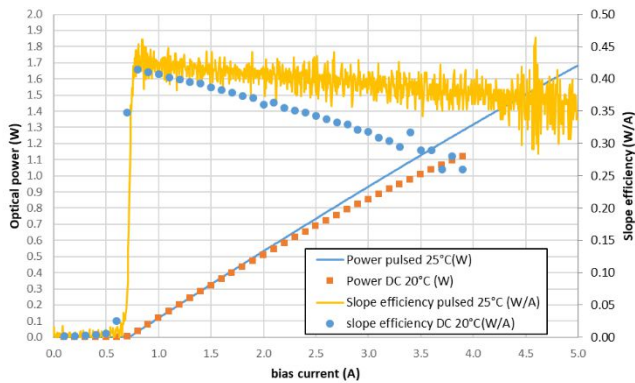
1550 nm HIGH POWER LASER BAR

« SELLING » STATEMENT:

Towards a European supply chain for high power laser diode bars at 1.5 μm



Bar with 19 high power lasers



Pulsed and continuous wave laser power

For a single emitter

KEY FEATURES

European supply chain

Value chain built between III-V Lab and Lumibird/Quantel for high power laser illuminators

Achieved results

- High electro-optical conversion efficiency (with low power consumption)
- Good optical beam quality for efficient illumination (light spot-size)
- Electro-optical conversion decrease at high temperature
- Adaptation of laser measurement systems to high powers

Exploitation

- Small to medium volume of production offered by III-V Lab
- Licencing to external foundry needed for larger production (automotive)

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