



New: Open Heat Sink Diode Lasers - Characteristics

cw, passively cooled, high performance



JOLD-x-CPNN-1L

Design 215505724

Features:

- Enabling highest optical output power / high temperature
- High efficiency
- Low thermal resistance

Applications:

- Pumping of solid-state lasers
- Print applications
- Medical applications

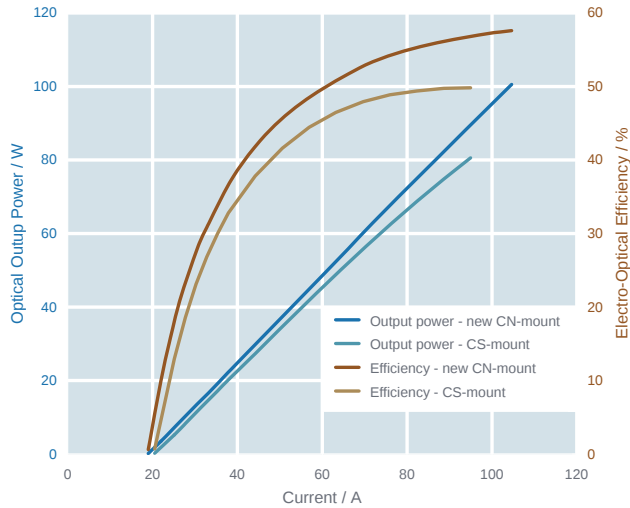
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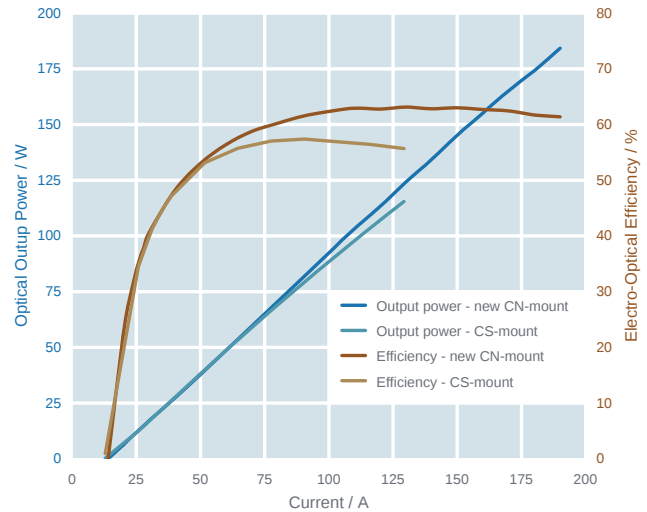
Preliminary Characteristics

New CN-mount compared with Standard CS-mounts (bars from the same batch)

Optical Output Power and Electro-Optical Efficiency, 808 nm

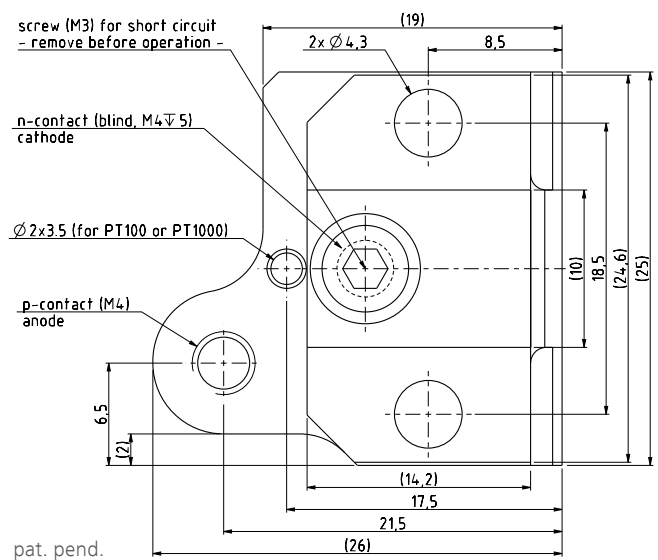
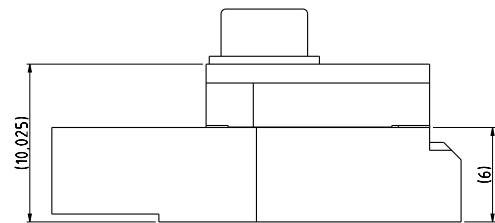


Optical Output Power and Electro-Optical Efficiency, 940 nm



Features of this new heat sink:

- Up to 10% higher efficiency than a standard CS-mount
- Higher optical output power
- Lower thermal resistance down to $R_{th} = 0.33 \text{ K/W}$ (at a 2 mm resonator bar)
- Higher temperatures possible → easy cooling!
- Lower smile
- Higher polarization



Specifications may change in compliance with our quality management system.

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