

To support the development of your laser device, there is the possibility to rent or buy an evaluation kit or to do first application tests in our in-house laboratory. This service allows you to do feasibility studies and determine the requested laser specifications before starting device development.

The 3mikron™ Evaluation Kit DPM-20 consists of:

- . High Power Mid-IR DPSSL Module DPM-20
- . Laser Control System for Laboratory Use
- . Cooling System for Laboratory Use (optional)

HIGH POWER MID-IR DPSSL MODULE DPM-20

Specifications

| | |
|-----------------------------|-------------------------------|
| Technology | Monolithic DPSSL |
| Wavelength | 2940 nm |
| Average Output Power (max) | 20 W |
| Pulse Energy (max @ 100 Hz) | 150 mJ |
| Pulse Repetition Rate | up to 2 kHz |
| Pulse Duration | 1 to 400 µs |
| Beam Quality | M ² < 20 |
| Mechanical Dimensions | 150 x 100 x 65 mm (W x D x H) |



LASER CONTROL SYSTEM LCS-20300

Specifications

| | |
|-----------------------|-------------------------------------|
| Output Current | up to 300 A |
| Pulse Duration | 50 to 400 µs |
| Rise Time (10 - 90 %) | < 20 µs |
| Efficiency | > 80 % |
| Input Voltage | 110 - 240 VAC, 50/60 Hz |
| Mechanical Dimensions | 19", 480 x 370 x 135 mm (W x D x H) |



COOLING SYSTEM P307 (Termotek AG)

Specifications

| | |
|-----------------------|---|
| Cooling Capacity | up to 570 W @ 35° C Ambient Temperature |
| Mechanical Dimensions | 19", 6 HE, 640 mm with Filter |



For detailed information on purchasing and rental conditions please contact us at 3um@pantec.com.



Pantec Medical Laser strives for innovative solutions in the field of minimally invasive laser based medical engineering. As exclusive supplier of unique laser technologies - 3mikron™ and fam™ - Pantec Medical Laser provides customized solutions from single laser units to complete application devices. Pantec Medical Laser is a business unit of Pantec Engineering AG.

Pantec Engineering AG provides solutions in automation and mechatronics for the mechanical engineering and medical device industries worldwide. Through its rigorous focus on niche strategies and high degree of service orientation, the company has become a world leader in its five primary markets.

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