

High Power Mid-IR DPSSL Module

DPM-130 (Er:YAG)

- Ultra-Stable High Power Mid-IR Laser
- Highly Efficient Diode Pumping
- No High-Voltage Required
- Reduced Waste Heat
- Maintenance Free



Product Description

The world's most powerful diode-pumped Er:YAG laser module is available for industrial and medical applications. The average output power of up to 130 W and repetition rates of up to 2 kHz allows controlled and at the same time precise treatments.

Specifications

Optical Parameters	DPM-90	DPM-130
Wavelength		2940 nm
Average Output Power (max)	90 W	130 W
Pulse Energy (max @ 100 Hz)	700 mJ	1 J
Pulse Repetition Rate		up to 2 kHz
Pulse Duration		1 to 400 µs
Average Current (max)		25 A
Mode of Operation		Pulsed
Beam Diameter	3.2 mm	4.0 mm
Beam Shape (focus)		top hat like
Cooling Requirements		
Coolant	Distilled Water with Algacide and Corrosion Inhibitor	
Coolant Temperature	20 to 25 °C	
Coolant Flow Rate	12 lpm	
Required Cooling Power	2 kW	3 kW
Mechanical Dimensions		
W x D x H	200 x 140 x 100 mm	240 x 140 x 100 mm
Emission Height	47.5 mm	
Weight	4.6 kg	5.0 kg