

Příloha č. 1

Technické parametry : Pevnolátkový laser CFR200

SYSTEM: CFR
PART NUMBER: CFR261501B1-F115

I. SYSTEM TYPE: CFR200 w/ ICE450

II. SPECTRAL:

Wavelength(s): 532nm
Resonator Configuration: Stable

III. ENERGY:

Energy per Pulse: 130 mJ
Pulse-to-Pulse Stability: < 2.5% Sigma
Energy Drift: < 10% over 8 hours
Warm up Time: < 60 min
Polarization: Vertical
Spectral Purity: 97%

IV. TEMPORAL:

Repetition Rate: 10 Hz
PRF Optimized for: 10 Hz
Pulse Width FWHM: 8 +/- 2ns
Pulse Timing Stability: < +/- 2 nsec
Duty Cycle: Continuous

V. SPATIAL:

Transverse Modes: Multiple
Near Field Profile: Uniform, Multimode
Far Field Profile: >90% Fit-to-Gaussian
Beam Diameter (nominal): 6.35 mm
Divergence: < 4 mrad

VI. MECHANICAL:

Laser Head - Size: 3.3 (84) x 12.7 (323) x 3.7 (94)
Laser Head - Weight: 3.6 kg
ICE450 19" - Size: 14 (356) x 5.25 (133) x 18 (457)
ICE450 19" - Weight: 29.0 (13.2)

VII. ELECTRICAL:

Power Supply: ICE450, Modified for 15C operation

Prime Power: Universal 110/240, <10/5A

Cable Length: 3 Meter

Power Consumption (VA): <800@230V, 50Hz

<760@120V, 60Hz

Operating Controls: Front Panel, RS232 or external trigger

Status Indicators: Front Panel

Computer Interface: RS232

VIII. ENVIRONMENTAL:

Storage Temperature: 5° to 50° C

Operating Temperature: 10° to 40° C

Coolant Type: Heat Distilled Water

Ambient Atmosphere: Non-condensing

Shock and Vibration: Suitable for transport

Max Operating Altitude: 10,000 Feet

IX. MAINTENANCE:

Flashlamp Lifetime (est): > 50 million shots

DI Cartridge Change Interval: < 6 months

X. FINISH:

Laser Head Finish: Black Anodize