



AIRTRAC®-HP



High Power laser source for designators and other commercial applications while maintaining a compact and efficient design. Introducing the cutting-edge AIRTRAC-HP: Elevate your power expectations while retaining the core advantages synonymous with the AIRTRAC-LP. Experience unparalleled performance potential as we merge high power capabilities with the hallmark features that define AIRTRAC technology.

Key Features

- High Powered AIRTRAC Design
- High power draw efficiency
- No significant warm-up time
- Reduced heat-load
- Capable of continuous operation
- Shock & vibration hardened
- Customer-specific packaging available
- Wavelength 1064nm
- Weight with electronics <515g
- Energy up to 120mJ

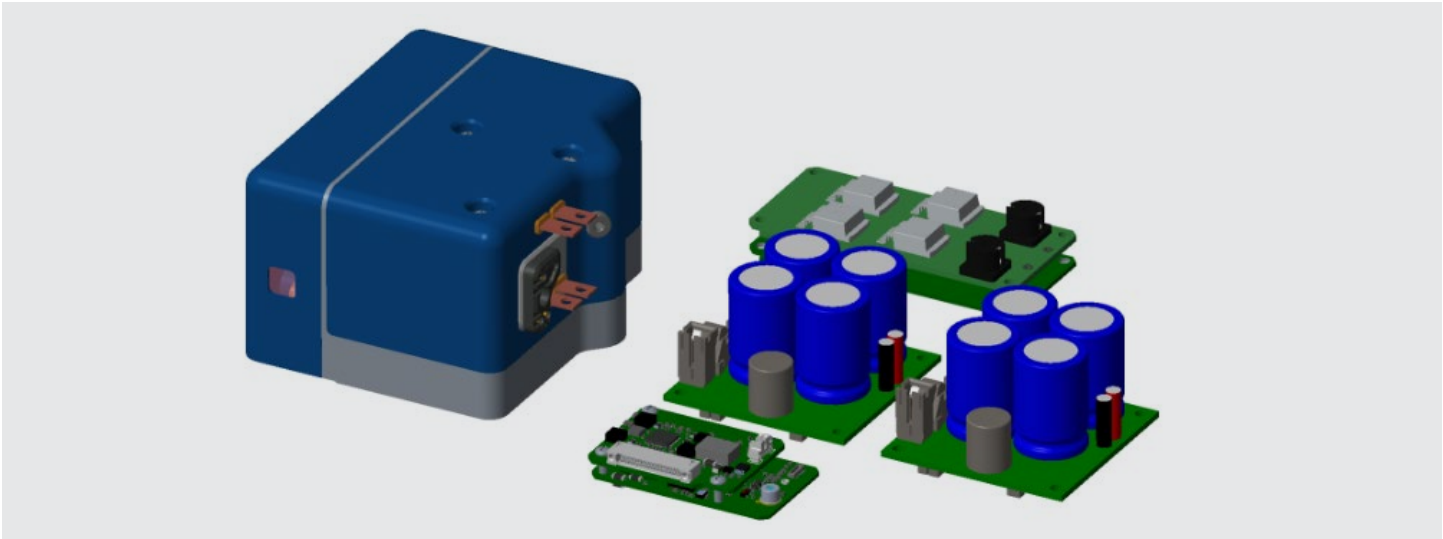


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AIRTRAC®-HP

| Parameter | Range | | | Comments |
|---------------------------------|----------------|---------|--------|--|
| | Min | Typical | Max | |
| Weight | 515 g | | | AIRTRAC-HP with electronics |
| Wavelength | 1.064 um | | | |
| Output Energy per Pulse | >120 mJ | | | |
| Pulse Width | 10 ns to 25 ns | | | |
| Beam Divergence | < 250 urad | | | With a 6X beam expander. Other beam expanders are available |
| Beam Jitter | < 25 urad | | | < 1/10 beam divergence with a 6X beam expander |
| Rep Rates | 0 Hz to 25 Hz | | | |
| Pulse to Pulse Energy Stability | < 10% typ | | | |
| Secondary Pulses | None | | | |
| Average Standby/Arm Power | < 5 W | | | |
| Average Power Draw (total) | < 24 W | < 45 W | < 60 W | Values taken at 24 VDC and across pulse frequencies of 7Hz to 20Hz |
| Peak Current | 5.3 A | 5.4 A | 5.5 A | Values taken at 24 VDC and across pulse frequencies of 7Hz to 20Hz |
| Operational Temp Range | -30C to +70C | | | |
| Storage Temp Range | -40C to +85C | | | |



Electronics and laser cavity are at the same scale.

