



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 <470 g
- Energy up to 150 mJ

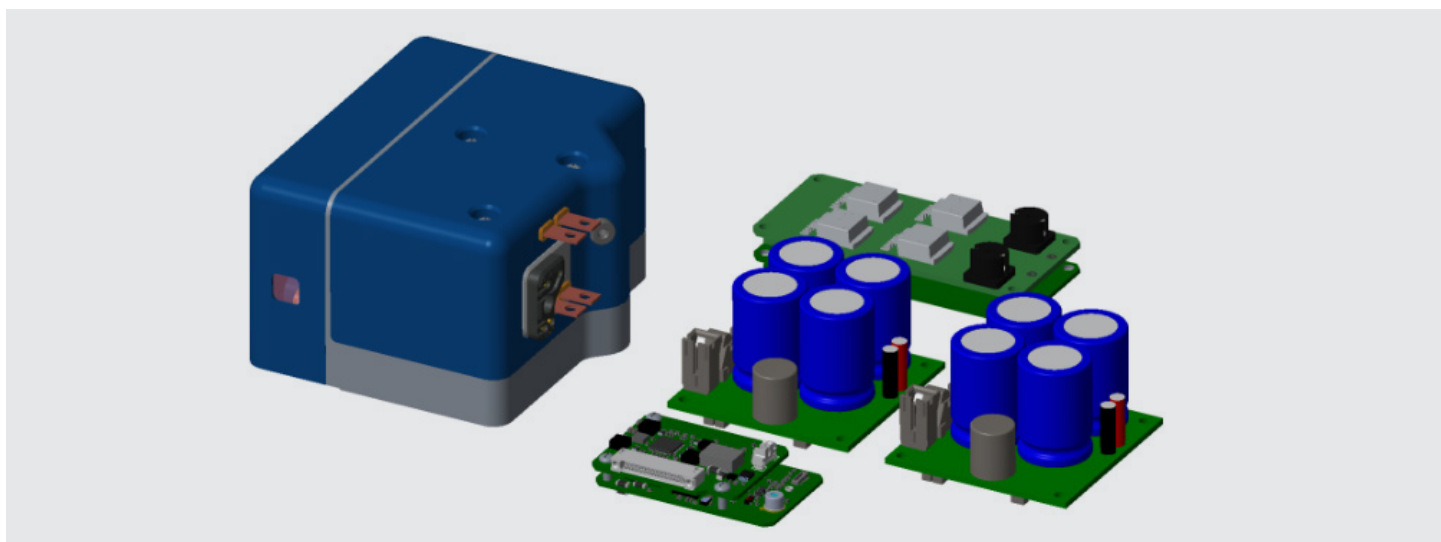


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Parameter	Range			Comments
	Min	Typical	Max	
Weight	470 g			AIRTRAC-HP with electronics
Wavelength	1.064 μ m			
Output Energy per Pulse	70 mJ	120 mJ	150 mJ	Able to operate between 70mJ to 150mJ
Pulse Width	10 ns to 25 ns			
Beam Divergence	< 250 μ rad			With a 6X beam expander. Other beam expanders are available
Beam Jitter	< 25 μ rad			< 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.



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