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Spectralus[®] Atto Green Laser Source^(a) Models Atto-120-120-33, Atto-K-120-120-33



SPECIFICATIONS

					Rev 1.8	
	Parameter	Symbol	Unit	Min	Typical	Max
1.0	Optical Performance					
а	Average Optical Output Power	Ро	mW		120	
С	Green Center Wavelength, Operating	λc	nm		532	
е	Beam Quality	M2			2.0	
f	Beam Waist Diameter	Hor	micron	45	66	87
		Vert		55	75	95
g	Beam Divergence	Hor	mrad	12	20	28
		Vert		19	25	31
h	Power Stability		%	+/-8% over 2 hr over temp. range, +/-3% over 2 hr at fixed temp.		
i	Polarization			Linear ^(d) , >100:1		
j	IR Residual Power in Beam		mW			2
2.0	Electrical-Optical Performance					
а	Laser Operating Current (peak)	lo	Α		1.7	
b	Laser Operating Voltage	Vo	V		1.9	
d	Nominal Operating Mode		120Hz, 3	33% duty cycle or per model number ^(b)		
h	Peak Electr. to Opt. Efficiency BOL ^(e)	PCE	%		12	
3.0	Thermal Performance					
а	Case Operating Temperature		°C	10		50
b	Optimum Case Operating Temperature		°C		35	
4.0	Mechanical					
а	Length	L	mm	8.7 for Atto-K, 12.4 for Atto ^(g)		
b	Width	W	mm		6.8	
С	Height	Н	mm		3.9	
d	Volume	V	cm ³	0.23 for Atto-K, 0.33 for Atto ^(g)		

- a. Protected under U.S. Patents 7,742,510 and 7,413,635. Other U.S. and international patents pending.
- b. The models Atto-p-f-dc and Atto-K-p-f-dc are pre-set at the factory and are coded by the package type (Atto or Atto-K), power (p in mW), repetition frequency (f in Hz) and duty cycle (dc in %). Standard models include: Atto-120-120-33, Atto-K-120-120-33 Models with other frequencies and duty cycles may be supplied per customer request.

d. Polarization is linear and is parallel to the package base.

e. BOL: beginning of life

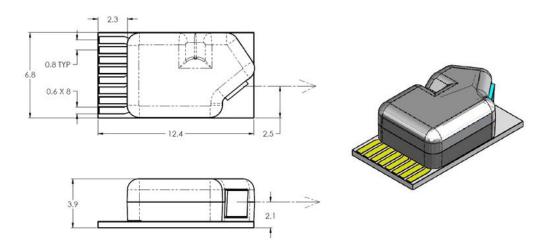
c.

- f. Atto and Atto-K lasers can be supplied with a driver board powered by the wall outlet.
- g. See product drawings on the next page for the package versions with or without monitor photodiode.



LASER HEAD DIMENSIONS (in mm):

Atto Laser (with monitor photodiode):



Atto-K Laser (without monitor photodiode):

