



ATL Lasertechnik

Advanced Technology Lasers



ABOUT ATL

PRODUCTS

ATLEX SERIES

APPLICATIONS

MEDIA

ATLEX S

ATLEX-S-Series-Laser is a very compact UV-light source designed for low- and mid-range duty cycle S Applications



ATLEX-S main features:

- Ultra compact size
- Soft corona preionization
- HV-solid state pulser
- Laser head volume < 3l
- TMC (Total-Metal-Ceramic) Vessel
- Integrated vacuum pump & halogen filter
- Totally air-cooled, active thermal management
- RS-485, RS232, USB and fiber optic Interface for system integration
- Flushable optics holder
- Energy stabilization mode
- Meets European CE-standard
- RoHS compliance

Details

Applications

- Medicine (refractive surgery)
- Spectroscopy
- Micromachining
- Testing and measurement

Date

- 30th April 2015

ATLEX-S Specifications					
Gas Medium	ArF		KrF		Units
Wavelength	193		248		nm
High Voltage Switching Technique	Solid State Switch		Solid State Switch		
Max. Rep. Rate	300	500	300	500	Hz
Max. Pulse Energy ¹	10	10	15	15	mJ
Max. Average Power	2,4	4	4	6	W
Pulse Duration ²	5 – 8				ns
Beam Dimensions ² (V x H)	4 x 6				mm
Beam Divergence ² (V x H)	1 x 2				mrad
Energy Stability (standard deviation)	< 3				%
Dimensions (LxWxH) click here for details	630 x 400 x 300				mm
Weight	65				kg
Cooling	Air				
Power requirement	230 VAC / 6,3 A / 1 phase / 50-60 Hz				

All specifications are typical data and subject to change without notice due to product improvements.



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