



DS Green Series 25-35mJ

High Pulse Energy Green Laser

DS-527-25 | DS-527-35

Specifications

OUTPUT CHARACTERISTICS

Model	DS-527-25	DS-527-35
Wavelength	527	
Pulse Energy (mJ) @ 1 kHz	25	35
Average Power (W) @ 3 kHz	40	55
Pulse Width (ns) @ 1 kHz	~ 90 (nominal)	~ 100 (nominal)
Repetition Rate	Single shot to 10 kHz	
Pulse to Pulse Stability	< 2% rms	
Polarization Ratio	Vertical; 100:1	
Beam Diameter @ exit (nominal)	~ 1 mm	
Beam Divergence (nominal)	< 2 mrad	
Beam Mode	TEM00 – M2 < 1.2	
Beam Pointing Stability	< 25 urad	
Long Term Stability (8h ±3o C)	± 2%	
Beam Position Accuracy	< 2.5 mm and < 1° from nominal	
Long Term Stability (8 hr ± 1° C)	<3% rms	

Model	DS-527-25	DS-527-35
Line Frequency	50 to 60 Hz	

† Includes height of desiccant (0.35”)

ENVIRONMENTAL AND UTILITY REQUIREMENTS

▲

Model	DS-527-25	DS-527-35
Electrical Requirement	100 to 240V AC	
Operating Temperature	15° to 30°C	
Warm Up Time	< 5 min from standby or cold start	
Relative Humidity	Non-condensing, 90% Max	
Interface	RS 232/ External TTL Triggering / GUI software included	

DIMENSIONS

▲

Model	DS-527-25	DS-527-35
Laser Head (W x H x L)	6.5 in x 4.6 in† x 26 in	
Controller (W x H x L)	19 in x 13.25 in x 5.25 in (3U)	
Umbilical Length	3 meter (10 feet)	

DOWNLOAD PDF

▲

Download DS Green Series Brochure Here.

Options

Please contact us for more options