LTL780RS 780nm/785nm Raman Lasers	
Detailed Specification	
Output Wavelength	780nm±1nm or 785nm±1nm
Output Power	300mW or 500mW
Spectral Line Width	0.1
Spectrum Stability	0.1nm
Operating Mode	CW
Beam Divergence, Full Angle	5.0 ± 0.1mrad
Beam Diameter ($1/e^2$) @ Exit	1x5mm
Power Stability	3% (rms, over 4 hours, T= 25℃)
Polarization, Linear	100:1
Modulation	Analog (10KHz) or TTL modulation (10KHz, 30KHz optional)

Application

- Polarization maintaining fiber coupling
- Non-Gaussian laser line output
- Medical application
- Life science
- High-resolution printing
- Laser-induced fluorescence

Features

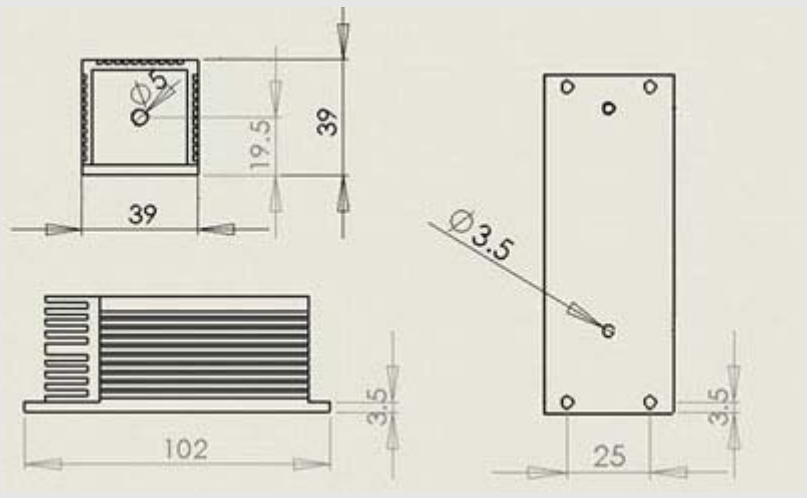
- Current visible LED display
- ESD protection
- Power adjustable
- LD temperature stabilized
- LD full current protection

Reliability	
Warm Up Time	<10minutes
Operating Temperature, Case	0℃ ~ 40℃
Storage Temperature	-20℃ ~ 60℃
Expected Operation Lifetime	10000 hours
Warranty	12 months

Note: The Laser could be operated without extra heat sink. Do not restrict air circulation around the device. Also do not place the laser in a thermal insulating material, such as foam plastic. A metal heat is always recommended and it can be used to maximize the performance and life time of the laser. Heat can have an adverse effect on laser diodes, including decreased output power.

Mechanical Parameter			
Dimensions of Laser Head	102× 39 × 39mm		
Weight of Laser Head	0.5Kg		
Power Supply	ADR-1800	ADR-1805	DDR-2012
	FDA PSU	LED Current Visible PSU	12VDC Driver
Dimensions of Power Supply	110 × 150 × 40mm	110 × 150 × 40mm	105 × 72 × 30mm
Input Volage	85~240VAC, 50/60Hz	85~240VAC, 50/60Hz	12VDC
Weight of Power Supply	0.6Kg	0.6Kg	0.1Kg

Mechanical Drawing (Laser Head)



Mechanical Drawing (Power Supply)

ADR-1800	ADR-1805