

532nm Narrow Linewidth Laser

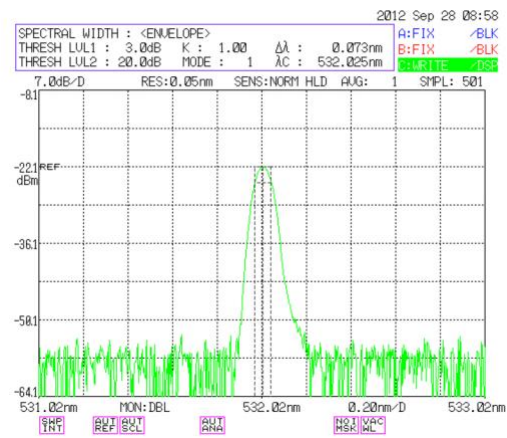
ATG7000

Features

- Spectral linewidth<0.1nm
- Spectral stability: <0.005nm/°C
- Provide customized products

Application

- Raman spectroscopic analysis



Parameters	Working conditions	Code	Minimum value	Typical value	Maximum value	Unit
Optical parameters ⁱ						
Output Power(CW)	@PO	PO		100		mW
Power stability(RMS)	2hrs	Ps		1	3	%
Central wavelength	@PO	λ_c	531.5	532	532.5	nm
Spectral linewidth(FWHM)	@PO	$\triangle\lambda$		0.07	0.1	nm
Spectral drift	@PO	λ_d		0.01		nm/°C
Preheat time	@PO	Tw			5	min
Fiber parameter index						
Optical fiber specifications			105um Multimode optical fiber			
Fiber numerical aperture		NA		0.22		
Optical fiber interface			FC-PC/SMA905			
Electrical parameter index						
Operating Voltage	@PO	Vin	90	220	245	V
TTL modulation frequency ⁱⁱ				10		KHz
Reliability parameter index						

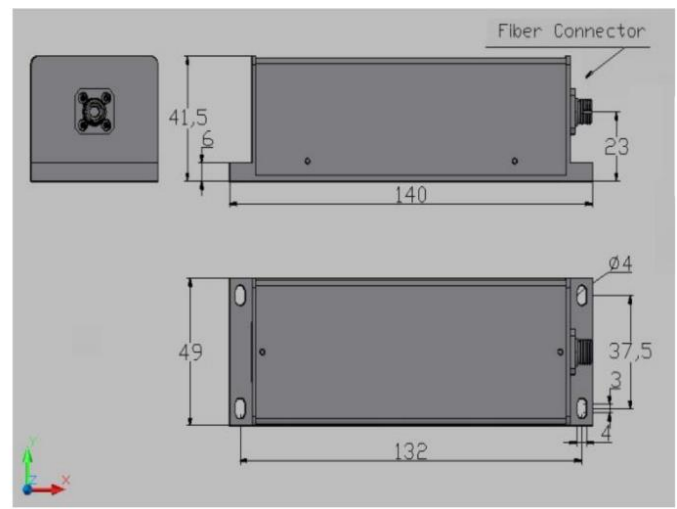
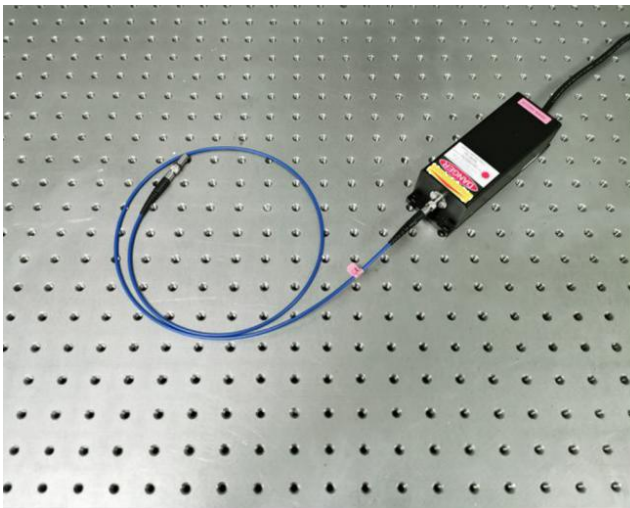
Service life	@PO/room temperature	MTTF	5,000			Hrs
Operating temperature		Tstg	0		40	°C
Storage temperature		Topr	-20		65	°C

i Test data at 25° C operating temperature.

ii The standard configuration is TTL modulation, which can be replaced by analog modulation (0-1KHz).

Product appearance and package size

Laser size: 49*42*140mm



Driver size: 110*150*56mm

