



320nm 15mW ALL-SOLID-STATE UV LASER

High power stability, output power 0~Max continuous adjustable, linear polarization, high beam quality, TEM00 mode; Using the original imported pump source, reliable performance, long laser life, can work continuously for a long time, the power supply comes with overheating, current limiting protection circuit (with fuse), TEC and laser head fan cooling, can be connected to the signal generator for high-speed modulation (TTL modulation and analog modulation); It is suitable for interference experiment, Raman spectroscopy, fluorescence excitation, spectral analysis, cell tumor irradiation, medical analysis, photoelectric detection and other experimental needs.

Specifications

型号 Model No.	FU-UVSP-320/15mW
波长 Wavelength (nm)	320±1
工作方式 Operating mode	CW
输出功率 Output Power (mW)	≥15 (0~Max power adjustable)
光斑模式 Transverse Mode	TEM00
光束质量因子 M ² factor	<2.0
偏振比 Polarization ratio	Line polarization >50:1
光束尺寸 Beam Diameter at Aperture (mm)	~1.0±0.3 (Circle beam)
光束发散角 Beam divergence, Full Angle (mrad)	<2.0
光束指向稳定性 Beam pointing stability (mrad)	<0.05
功率稳定性 Power stability (RMS, over 4 hours)	<3%
制冷方式 Cooling system	TEC
供电方式 Power supply	90~240VAC at 50Hz
调制速率 Modulation Repetition	30kHz TTL
预热时间 Warm-up Time (minutes)	<10
工作温度 Operating temperature (°C)	10~35
使用寿命 Expected lifetime (hours)	>10000

