

LASOS

For worldwide photonics



LGS 7662

Stabilized HeNe-Laser

Specifications:

General Information	
Wavelength	632.8 nm
Minimum output power	> 0.6 mW
Beam diameter	0,49 mm \pm 0,05 mm
Beam divergence	< 1.8 mrad
Mode purity	> 95% TEM00
Polarization ratio	> 500:1
Warm-up time	20 min
Stabilized Mode	
Power stability	\pm 0.3 %
Frequency stability	\pm 10 MHz
Coherence length	30 m
Warm-up time (stabilization)	1 hour
Electrical Specifications	
Operation current	3.5 mA
Operation voltage	1250 \pm 100 V
Ballast resistor	\sim 80 kOhm
Ignition Voltage	< 7 kV
Stabilization unit supply voltage	15 VDC
Stabilization unit supply current	< 1 A
Mechanical Dimensions	
Overall length	256 mm \pm 3 mm
\varnothing (Tube)	35.0 mm \pm 0.2 mm
Cable length	1750 mm
Environmental Conditions	
Operating temperatures	15 ... 35°C
Operating humidity	< 80% non-condensing
Storage temperatures	-40 ... 80°C
Storage humidity	< 95% non-condensing

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