notice 0.74

Laser He-Ne

Deux lasers He-Ne (O74.a et O.74b) Melles-Griot 25-LHP-213-230, avec alimentation, monté sur tige.

λ=632,8 nm
P < 1mW
polarisation linéaire
Intervalle spectrale libre : 1,063 GHz

Part Number	cw Output Power (mW)	Beam Diameter ($1/e^2$) (mm)	Beam Divergence ($1/e^2$) (mrad)	Maximum Mode Sweeping (%)	Polarization	Longitudinal Mode Spacing (MHz)	Laser Head Dimensions Length×Diameter (mm)	Power Supply Style	CDRH Class	IEC Class
25LHR213-249	0.46	1.77	II	0.5	2	177.8 × 31.8	1063	10	Random	A
25LHR213-230	0.46	1.77	II	0.5	2	177.8 × 31.8	1063	10	Random	A
25LHP213-230	0.5	0.46	1.77	10	Linear, >500:1	1063	177.8 × 31.8	A	II	2

Specifications	
Beam Centration	±0.25 mm
Beam Diameter ($1/e^2$) (mm)	0.65
Beam Divergence ($1/e^2$) (mrad)	1.24
Bore-Sight Error	<1 mrad
CDRH Class	~~IIIb~~
cw Output Power (mW)	~~10.0~~
IEC Class	~~3B~~
Laser Head Dimensions Length×Diameter (mm)	483.9 × 44.5
Longitudinal Mode Spacing (MHz)	341
Maximum Mode Sweeping (%)	2
Polarization	Random
Power Supply Style	B
Transverse Mode	TEM_{00} (>90%)
Beam Characteristics	
Beam Centration	±0.25 mm
Bore-Sight Error	<1 mrad
M^2	<1.05
Output Wavelength	633 nm
Electrical Characteristics	
Input Frequency	50–60 Hz
Input Voltage	100 Vac, 115 Vac or 230 Vac ± 10% (specify)
Environmental Requirements	
Nonoperating Humidity	0% to 100%
Nonoperating Temperature	-40°C to +80°C
Operating Humidity	0% to 90% noncondensing
Operating Humidity	0% to 90% non-condensing
Operating Humidity	0% to 90%, noncondensing
Operating Temperature	-20°C to +40°C
Shock	25 G for 11 msec
Operating Characteristics	
Warm-up Time	<15 minutes
Safety and Regulatory Compliance	
Regulatory Compliance	CE Compliant (230-Vac only)
Stability Characteristics	
Amplitude Noise rms	<0.5% (30 Hz to 10 MHz)
Long-Term Drift	±2% per 8 hours
Long-Term Power Drift	± 2% per hour
Noise (rms)	<0.5%
Noise Frequency	30 Hz to 10 MHz
Pointing Stability	<0.03 mrad after 15 minutes