



方全有限公司
Rapitech Enterprise Co.,Ltd.

氦氖雷射 Helium-Neon Laser



氦氖雷射系統

Self - Contained Helium - Neon
Laser Systems - I500 Series

Key Features

- Hard-sealed internal mirror plasma tube
- Convenient, compact, self-contained packages
- Excellent power stability
- CDRH compliant
- Long operating life

Applications

- Alignment
- Metrology
- Inspection



Specifications

Parameter	1507	1507P	1508	1508P	Unit	
Optical						
Minimum output power (TEM ₀₀)	0.8	0.8	0.5	0.5	mW	
Wavelength	632.8	632.8	632.8	632.8	nm	
Beam diameter (1/e ² points, ±3%, TEM ₀₀)	0.48	0.48	0.48	0.48	mm	
Beam divergence (±3%, TEM ₀₀)	1.7	1.7	1.7	1.7	mrad	
Polarization ratio (minimum)	N/A	500:1	N/A	500:1	-	
Longitudinal mode spacing (nominal)	1090	1090	1090	1090	MHz	
Maximum noise (rms,30 Hz to 10 MHz)	1.0	1.0	1.0	1.0	%	
Maximum drift (mean power measured over 8 hours)	±2.5	±2.5	±2.5	±2.5	%	
Maximum mode sweep contribution	10	10	20	20	%	
Maximum warm-up time (minutes to 95% power)	10	10	10	10	min.	
CDRH class	IIIa	IIIa	II	II	-	
Electrical						
AC adaptor operating current	at 100 V AC	150	150	150	150	mA
	at 120 V AC	150	150	150	150	mA
	at 220 V AC	82	82	82	82	mA
General						
Mode purity	>95%					
Head weight	1.1 lbs.					