

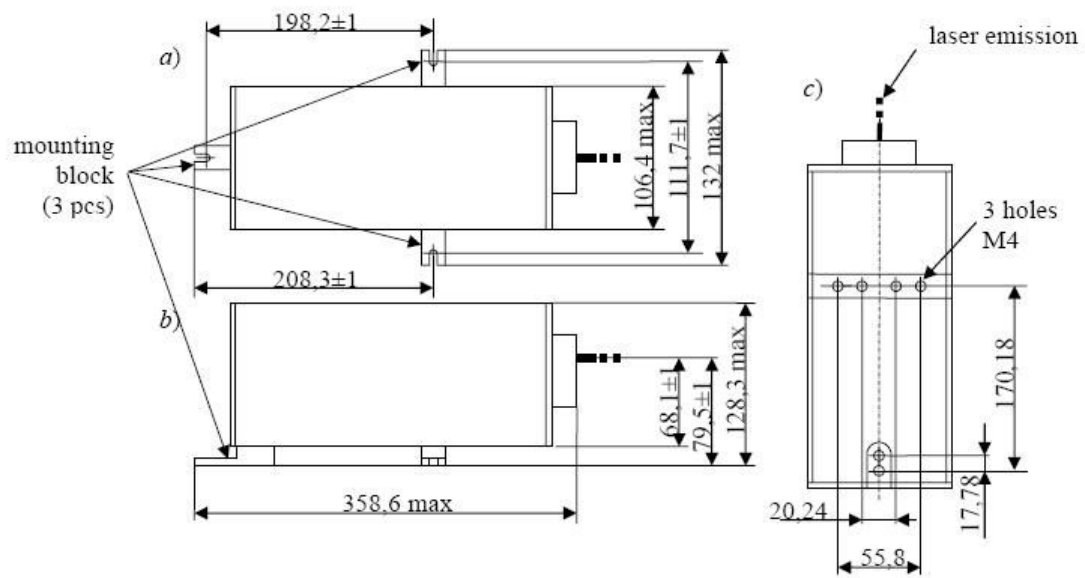
稳频和单频 HeNe 激光器 632.8nm



稳频 HeNe 激光器

连续操作模式，双稳频 HeNe 激光器。应用于各种干涉计，科学实验和技术等领域。包括对精度要求很高的光机械设备，电子设备和工业机械等产品中。

Parameters	LGN-212-1	LGN-212-1M (-/003/009)	LGN-212-1M-A (-/003/009)	LGN-212-1M-B (-/003/009)	LGN-212-1M-C (-/003/009)	LGN-212-1M-D (-/003/009)
Wavelength, μm	0.63					
Spectral structure	double-frequency					
Differential frequency of the orthogonal components, MHz	1.5-2.2	1.5-2.2	2.0-2.4	2.4-3.0	3.0-3.4	3.4-4.0
Output power, mW, not less	0.2					
Beam diameter, mm, not more	5-7	5-7 / 3-5 / 7-9				
Beam divergence, mrad, not more	0.5					
Relative power instability during 8 hrs of continuous operation, %, not more	10	2				
Relative optical frequency instability, arbitrary units, not more	1×10^{-8}					
Power supply	DC $\pm 15\text{V}$					
Power consumption, W, not more	30					
Operating temperature range, $^{\circ}\text{C}$	+10...+40					
Mean time to failure, h, not less	2000					
Mean life, h, not less	5000	10000				
Dimensions, mm, not more	392x182x133	358.6x132x128.3				
Mass, kg, not more	6.0					



a - top view, *b* - side-view, *c* - bottom view

LGN-212-1M

单频 HeNe 激光器

Parameters	LGN-220	LGN-220SF	LGN-220M
Wavelength, μm	0.63		
Spectral structure	single-mode (TEM ₀₀)	single-frequency	multimode (TEM _{mn})
Output power, mW, not less	70	40	100
Polarization, not less	500:1		
Beam diameter, mm, not more	2.5		
Beam divergence, mrad, not more	1	1	1.5
Relative power instability during 8 hrs of continuous operation, %, not more	5	-	-
Readiness time, min, not more	60		
Power supply	AC 220 (+10%/-15%) V, 50 Hz		
Power consumption, W, not more	350		
Operating temperature range, °C	+10 ... +40		
Ambient temperature variation during continuous operation, °C	±3		
Mean time to failure, h, not less	1000		
Mean life, h, not less	3000		
Dimensions, mm, not more	1965×225×220		
Mass, kg, not more	35		

