



Tel: +44 (0) 1604 654220
Fax: +44 (0) 1604 654221
Email: info@armstrongoptical.co.uk
Web: www.armstrongoptical.co.uk

Armstrong Optical Ltd
31 Caxton House
Northampton Science Park
Kings Park Rd
Northampton, NN3 6LG
United Kingdom

SIOS OEM He-Ne (Provisional Specs) SL-05

1. Light power output nominal 0.6mW (0.5mW to 0.7mW)
2. Beam diameter 0.49mm (Typ)
3. Beam divergence $\leq 2.0\text{mrad}$
4. Amplitude noise $< 0.5\%$
5. Typical warm-up time (Until stabilized) 10min
6. Frequency stability over 1min= 2×10^{-9} / 1h= 1×10^{-8} / 24h= 2×10^{-8}
Target expectation after optimizing the laser stabilization:
Frequency stability over 1min= 1×10^{-9} / 1h= 2×10^{-9} / 24h= 5×10^{-9}
7. The OEM power supply 110...220..240V, 12V, 24V
8. Laser head comes with an internal thread at their beam exit for installing of fiberoptic couplers
9. Provisional dimensions shown below. (Length can be reduced by 20 mm if required)
10. Unbadged if required.
11. Options – isolator + polarization identification

