

980nm Infrared Diode Laser



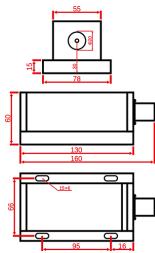




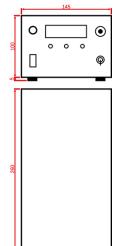
†Specifications

| Product CodeSSL - 980 - XXXX - XXM - D - LEDWavelength [nm]980 ±5Output Power [mW] [0 - Max Adjustable]3000 - 5000Transverse ModeTEoo / CWOperating Temperature [°C]+10 - +35Storage Temperatures [°C]-10 - +45Warm-up Time [minutes]< 5Power Stability [rms, over 4 hours]5%, 3%, 1%M² Factor< 15Beam Diameter At The Aperture [mm]~ 4.0 × 6.0Beam Divergence, Full Angle [mrad]< 2.5Spectral Linewidth [nm]< 1.0Polarization Ratio> 50 : 1 |
|--|
| Output Power [mW] [0 - Max Adjustable]3000 - 5000Transverse ModeTE00 / CWOperating Temperature [°C]+10 - +35Storage Temperatures [°C]-10 - +45Warm-up Time [minutes]<5 |
| Transverse ModeTE00 / CWOperating Temperature [°C]+10 - +35Storage Temperatures [°C]-10 - +45Warm-up Time [minutes]<5 |
| Operating Temperature [°C]+10 - +35Storage Temperatures [°C]-10 - +45Warm-up Time [minutes]< 5Power Stability [rms, over 4 hours]5%, 3%, 1%M² Factor< 15Beam Diameter At The Aperture [mm]~ 4.0 × 6.0Beam Divergence, Full Angle [mrad]< 2.5Spectral Linewidth [nm]< 1.0Polarization Ratio> 50 : 1 |
| Storage Temperatures [°C]10 - +45Warm-up Time [minutes]< 5 |
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| Power Stability [rms, over 4 hours]5%, 3%, 1%M² Factor< 15Beam Diameter At The Aperture [mm]~ 4.0 × 6.0Beam Divergence, Full Angle [mrad]< 2.5Spectral Linewidth [nm]< 1.0Polarization Ratio> 50 : 1 |
| M² Factor<15 |
| Beam Diameter At The Aperture [mm]~ 4.0 × 6.0Beam Divergence, Full Angle [mrad]< 2.5 |
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| Spectral Linewidth [nm] < 1.0 Polarization Ratio > 50 : 1 |
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| |
| Point Stability After Warm-up [mrad] < 0.05 |
| Noise of Amplitude [rms] < 30% |
| Modulation [TTL or Analog Alternative] Standard 10KHz, Up to 40KHz need request |
| Laser Head Dimensions [mm] 160 [L] × 78 [W] × 60 [H] |
| Power Supply Dimensions [mm] 260 [L] × 145 [W] × 105 [H] |
| Working Voltage [VAC] 85~245, 50/60Hz |
| Laser Gross Weight [kg] 3.5 |
| Cooling Way Cooled by TEC and air |
| Expected Lifetime [hours] > 10000 |
| Warranty Time [year] 1 |

Laser Head Dimension:



Power Supply Dimension:



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