

980nm Infrared Diode Laser



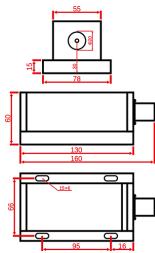




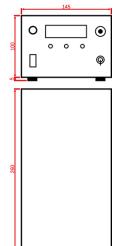
†Specifications

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
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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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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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