

MDL-E-975/1~30mW



**NARROW LINEWIDTH
DIODE LASER AT 975nm**

Narrow linewidth diode laser module at 975nm is made features of narrow spectral linewidth, stable wavelength, long lifetime and easy operating, which is widely used in precision measurement, high resolution spectrum analysis, etc.



SPECIFICATIONS

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|--|---|
| Wavelength (nm) | 975±5 |
| Operating mode | CW |
| Output power (mW) | >1, 2, 3, ...,30 |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% |
| Transverse mode | Near TEM ₀₀ |
| Spectral linewidth (nm) | <0.06, <0.03(extra heatsink) |
| M ² factor | <1.5 |
| Beam diameter at the aperture (1/e ² ,mm) | ~3.5 |
| Beam divergence, full angle (mrad) | <1.0 |
| Polarization ratio | >50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional) |
| Warm-up time (minutes) | <15 |
| Beam height from base plate (mm) | 30 |
| Operating temperature (°C) | 20~30 |
| Power supply (85-264VAC) | PSU-III-FDA |
| Expected lifetime (hours) | 10000 |
| Warranty | 1 year |



| MDL-E-975 | PSU-III-FDA |
|---|--|
| <p>122.5(L) ×65(W) ×50(H) mm³, 1.0kg</p> | <p>171(L) ×130(W) ×62.2(H) mm³, 1.2kg</p> |