



**MDL-III-975R/1~500mW**



**INFRARED DIODE LASER  
AT 975nm**

Infrared diode laser module at 975nm features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.



**SPECIFICATIONS**

Wavelength (nm)	975±5	
Operating mode	CW	
Output power (mW)	>1, 10, 20, ..., 200	>200, 210, ..., 500
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Round	
Dimensions of beam at the aperture (mm)	~2	~2
Beam divergence, full angle (mrad)	<8	<18
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz -100kHz)
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-III-975R	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p style="text-align: center;">143.5(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.7kg</p>	<p style="text-align: center;">188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	<p style="text-align: center;">171(L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p style="text-align: center;">162(L) ×144(W) ×70 (H) mm<sup>3</sup>, 1.0kg</p>