

# Opto Engine LLC

## Data sheet

Rev. 2102

MDL-N-980/6~10W



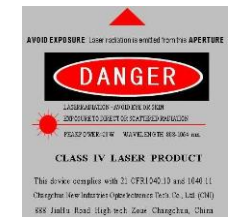
### INFRARED DIODE LASER AT 980nm

Diode infrared laser module at 980nm is made features of ultra compact, long lifetime and easy operating, which is used in measurement, communication, spectrum analysis, etc.



#### SPECIFICATIONS

Wavelength (nm)	980±5	
Operating mode	CW	
Output power (W)	>6, 6.5, 7, ... , 10	
Power stability (rms, over 4 hours)	<0.5%, <1%, <2%	
Transverse mode	Multimode	
M <sup>2</sup> factor	<20	
Beam divergence, full angle (mrad)	<3.0	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	5~8	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	68.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-N-980	PSU-H-LED	PSU-H-FDA
<p>245 (L) × 99 (W) × 94 (H) mm<sup>3</sup>, 2.5 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.6 kg</p>	<p>275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.4 kg</p>