

# Opto Engine LLC

## Data sheet

Rev. 2102

MDL-III-940R/1~350mW



### INFRARED DIODE LASER AT 940nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis, etc.



### SPECIFICATIONS

Central wavelength (nm)	940±5	
Operating mode	CW	
Output power (mW)	>1,10,20,..., 200	>200,210, ... ,350
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	Round	
Beam diameter at the aperture (mm)	~2	~2
Beam divergence, full angle (mrad)	~10	~20
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-940R	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>143.5(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.7kg</p>	<p>188.6(L)×155(W)×92(H) mm<sup>3</sup>, 1.5kg</p>	<p>171(L)×130(W)×62.2(H) mm<sup>3</sup>, 1.2kg</p>	<p>162(L)×144(W)×70(H) mm<sup>3</sup>, 1.0kg</p>