UltraLasers
Your source for high quality, affordable lasers

Specification Sheet

Ultralasers, Inc

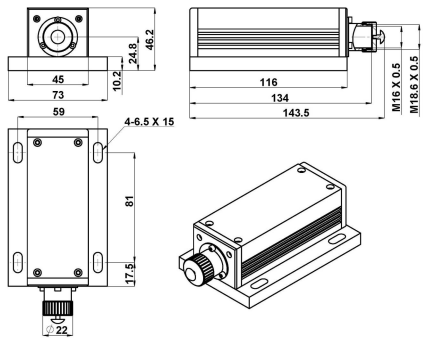
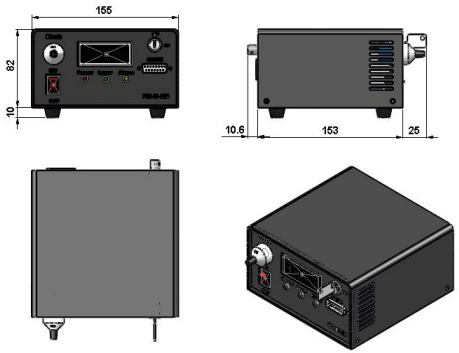
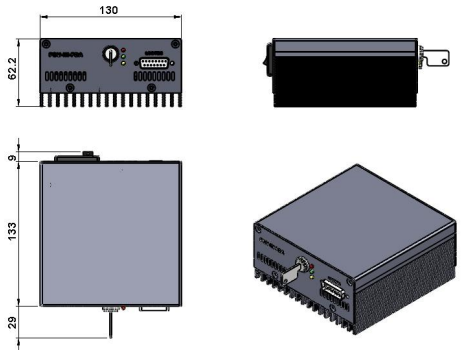
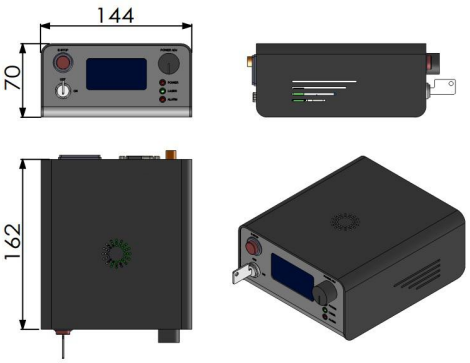
MDL-III-635L/637/640/1~200mW

RED DIODE LASER AT 635/637/640nm

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

SPECIFICATIONS

Central wavelength (nm)		635±5	637±5	640±5
Operating mode		CW		
Output power (mW)		>1,10,20,…, 200		
Power stability (rms, over 4 hours)		<1%, <2%, <3% (<0.5%, optional)		
Transverse mode		Near TEM_{00}		
M^2 factor		<1.5 (<1.2, optional)		
Beam diameter at the aperture ($1/e^2$,mm)		~3.0 (~1.2, optional)		
Beam divergence, full angle (mrad)		<1.0		
Polarization ratio		>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)		<5		
Pointing stability after warm-up (mrad)		<0.05		
Beam height from base plate (mm)		24. 8		
Operating temperature (℃)		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-635L/637/640	PSU-III-LED	PSU-III-FDA	PSU-A-D
			
143.5(L)×73(W) ×46. 2(H) mm^3, 0.7kg	188.6 (L) ×155(W) ×92 (H) mm^3, 1.5kg	171(L) ×130(W) ×62.2 (H) mm^3, 1.2kg	162(L) ×144(W) ×70 (H) mm^3, 1.0kg

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