Opto Engine LLC

Data sheet

Rev. 0912

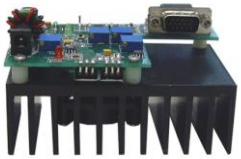
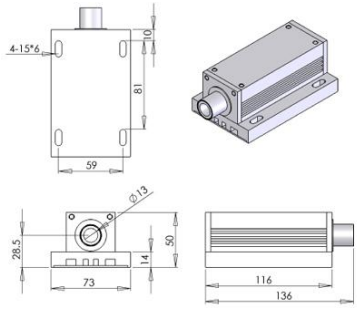
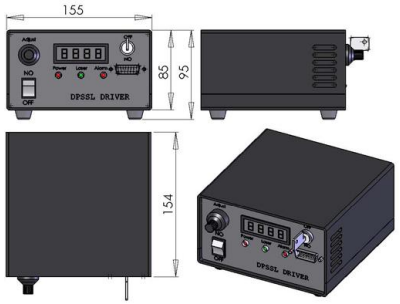
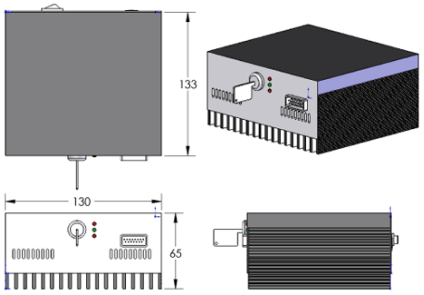
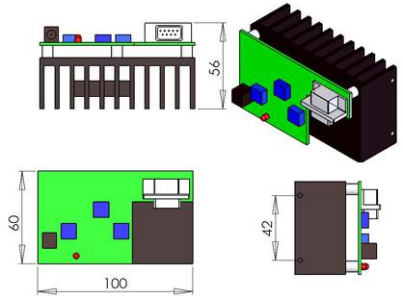
MRL-III-FS-635/600~1000mW

RED DIODE LASER
At 635nm

Diode red laser 635nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.

SPECIFICATIONS

Wavelength (nm)	635±5		
Output power (mW)	>600, 610, 620, … , 1000		
Transverse mode	Near TE_{00}		
Operating mode	CW		
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Warm-up time (minutes)	<5		
M^2 factor	<20		
Beam divergence, full angle (mrad)	<2.5		
Dimensions of beam at the aperture (mm)	~5×8		
Beam height from base plate (mm)	28. 5		
Polarization ratio	>50:1		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (℃)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
TTL / Analog modulation	Optional, 2kHz or higher (on request, up to 30kHz)		
Expected lifetime (hours)	10000		
Warranty	1 year		
Remarks	MRL-635 is a diode laser module, so the beam quality is not as good as the solid-state laser at 671nm. The beam spot is nearly square.		

MxL-III-FS-635	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
			
136(L)×73(W) ×50(H) mm^3, 0.6kg	**154 (L) ×155(W) ×95 (H) mm^3, 1.5kg**	**133 (L) ×130(W) ×65 (H) mm^3, 1.2kg**	**100 (L) ×60(W) ×56 (H) mm^3, 0.2kg**
			

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