长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co.,Ltd.

DATA SHEET

OEM-MD-637 /500-1300mW

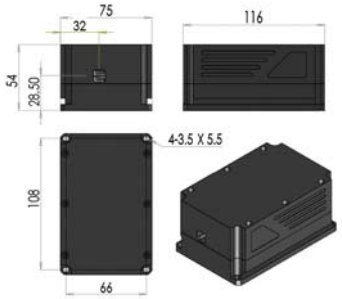
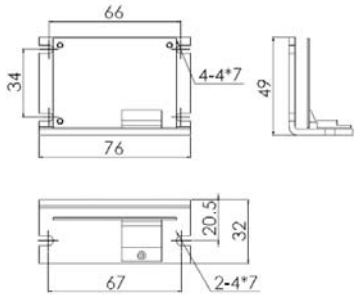
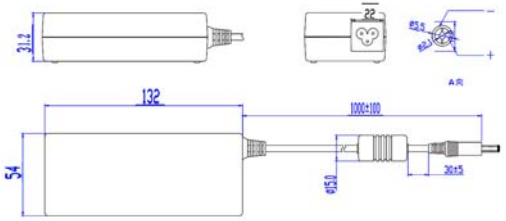
RED DIODE LASER
At 637nm

OEM diode red laser at 637nm is made features of round spot, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.

SPECIFICATIONS

Wavelength (nm)	637 ± 5
Output power (mW)	>500, 600, …, 1300
Operating mode	CW
Power stability (rms, over 4 hours)	<1%, <3%, <5%
Warm-up time (minutes)	<5
Beam divergence, half angle (mrad)	<0.5
Beam diameter at the aperture (mm)	5.1×4.1(1/e^2)/ 4.8×3.2 (FWHM)
Polarization direction	Horizontal/ Vertical
Beam height from base plate (mm)	28.5
Operating temperature (℃)	25+/-3
Power supply	PSU-MD-OEM
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off
Expected lifetime (hours)	10000
Warranty	The warranty is 3 months, excluding the LD failure.

Note: Heat sink is needed for this red diode laser module, it is available up on request.

OEM-MD-637	PSU-MD-OEM	Accessories
116(L)×75(W) ×54(H) mm^3	76(L)×49(W) ×32(H) mm^3	100-240VAC Adapter
		

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