

MLL-III-1064/1~1500mW



LOW NOISE INFRARED DIODE LASER AT 1064nm

Low noise infrared diode laser at 1064nm features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	CW	
Laser crystal	Nd:YVO ₄	
Output power (mW)	>1, 5, 10, 20, ... , 1000	>1000, ... , 1500
Power stability (rms, over 4 hours)	<1%, <2%, <3%	<2%, <3%
Transverse mode	TEM ₀₀	
Warm-up time (minutes)	<10	
M ² factor	<1.5(<1.2 optional)	<1.5
Noise of amplitude(rms,20Hz~20MHz)	<1%	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at 1/e ² (mm)	~1.5	
Beam height from base plate (mm)	24.8	
Polarization ratio	>100:1, Horizontal±5 degree (Vertical Optional)	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA PSU-III-OEM-97	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-III-1064	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	<p>133 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg</p>	<p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p>