Lasertack New Laser Generation

MIL-H-1040/1~100mW

LD PUMPED ALL-SOLID-STATE INFRARED LASER AT 1040 nm

All solid state infrared laser at 1040 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.

SPECIFICATIONS

Wavelength (nm)	1040±1	
Output power (mW)	>1, 2, 3, … ,100	
Laser crystal	Yb:YAG	
Transverse mode	TEM_{00}	
Operating mode	CW	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Warm-up time (minutes)	<10	
M^2 factor	<1.2	
Beam divergence, full angle (mrad)	<2. 0	
Beam diameter at the aperture (mm)	~3. 0	
Beam height from base plate (mm)	29	
Polarization ratio	>3:1(Arbitrarily degree)	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (℃)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	

MxL-H-1040	PSU-H-LED	PSU-H-FDA
		
153(L)×77(W) ×60(H) mm³, 0.9 kg	**277(L) ×145(W) ×106 (H) mm³, 2.6 kg**	**275 (L) ×145(W) ×104 (H) mm³, 2.3 kg**