

## **PDF DATA SHEET**

EFORCEAUSTRALIA PTY.LTD ACN:159 503 401

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	1040±1	
Output power (mW)	>1, 2, 3,,100		
Laser crystal	Yb:YAG		
Transverse mode	TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Warm-up time (minutes)	<10		
M <sup>2</sup> 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		AVOID
Polarization ratio	>3:1(Arbitrarily degree)		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		Jake I
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	7
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		on
Expected lifetime (hours)	10000		
Warranty period	1 year		





MxL-H-1040	PSU-H-LED	PSU-H-FDA
	DPSSL DRIVER	DPSSL DRIVER  THE LIE AND STREET STRE
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
130 153	145 S K K K K K K K K K K K K K K K K K K K	145 12 238 25 236 X
4-15x8	K K	K Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q

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