

PDF DATA SHEET

EFORCEAUSTRALIA PTY.LTD ACN:159 503 401

MLL-III-1053/1~1000mW

LOW NOISE INFRARED LASER AT 1053 nm

All solid state low noise infrared laser at 1053 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.







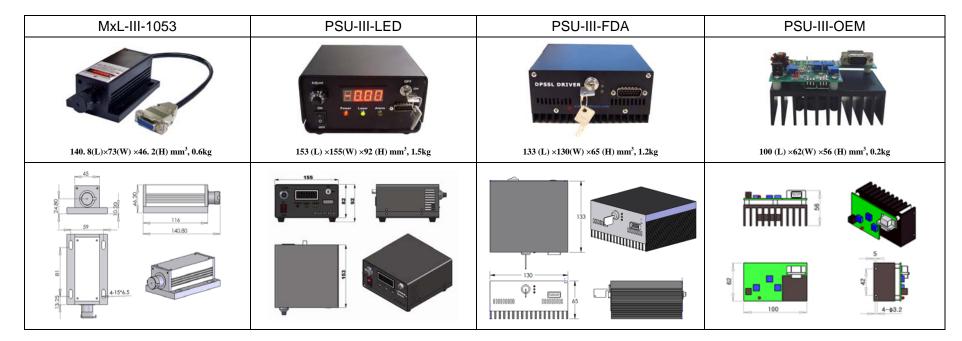


SPECIFICATIONS

Wavelength (nm)	1053 ± 1		
Output power (mW)	>1, 5, 10, 20,, 1000		
Laser crystal	Nd:YLF		
Transverse mode	TEM_{00}		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Noise of amplitude (rms, 20Hz~20MHz)	<1%		
Warm-up time (minutes)	<10		
M ² factor	<1.5		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at 1/e ² (mm)	~1.5		
Beam height from base plate (mm)	24. 8		
Pointing stability after warm-up (mrad)	<0.05		
Polarization ratio	>100:1		
Operating temperature (°C)	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
Expected lifetime (hours)	10000		
Warranty	1 year		







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