

PDF DATA SHEET

EFORCEAUSTRALIA PTY.LTD ACN:159 503 401

MLL-III -685/1~20mW

LOW NOISE RED DIODE LASER At 685 nm

Diode low noise red laser 685 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in measurement, spectrum analysis, laser lighting show, etc.



SPECIFICATIONS				
Wavelength (nm)	685 ± 5			
Output power (mW)	> 5, 10, 15, 20			
Transverse mode	Near TEM ₀₀			
Operating mode	CW			
Power stability (rms, over 4 hours)	<1%,, <3%, <5%			
Noise of amplitude(rms,1~20MHz)	<1%			
Warm-up time (minutes)	<5			
M ² factor	<20			
Beam divergence, full angle (mrad)	<0.5			
Dimensions of beam at the aperture (mm)	~4.0			
Beam height from base plate (mm)	24. 8			
Polarization ratio	>50:1			
Pointing stability after warm-up (mrad)	<0.05			
Operating temperature (°C)	10~35	10~35		
Power supply (90-264VAC or 5VDC)	PSU-III-LED	PSU-III-FDA	PSU-III-OEM	
Expected lifetime (hours)	10000	•		
Warranty	1 year	1 year		





MxL-III-685	PSU-III-LED	PSU-III-FDA	PSU-III-OEM
139(L)×73(W) ×46. 2(H) mm³, 0.6kg	153 (L) ×155(W) ×92 (H) mm ³ , 1.5kg	133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg	100 (L) ×62(W) ×56 (H) mm³, 0.2kg
age area at			., ., ., .,
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2480 46.20 116 139		130 (10000000 G) (100000000 G) (1000000000 G) (100000000 G) (1000000000 G) (100000000 G) (10000000 G) (10000000 G) (10000000 G) (100000000 G) (10000000 G) (1000000 G) (1000000 G) (1000000 G) (1000000 G) (1000000 G) (1000000 G) (100000 G) (1000000 G) (100000 G) (100000 G) (100000 G) (100000 G) (100000 G) (1000	100

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