**Opto Engine LLC** 

## MGL-F-589/50~300mW



## LD PUMPED ALL-SOLID-STATE YELLOW LASER

All solid state 589nm yellow laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



## SPECIFICATIONS

Central wavelength (nm)	589±1	
Operating mode	CW	
Output power (mW)	>50, 100,, 200	>200,, 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<3%, <5%
Transverse mode	$TEM_{00}$	
M <sup>2</sup> factor	<2.0	
Beam diameter at the aperture $1/e^2$ (mm)	~3.0	
Beam divergence, full angle (mrad)	<2.0	
Polarization ratio	>100:1	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	45	
Operating temperature ( $^{\circ}$ C)	10~35	
Power supply (100-240VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR	
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option	
Expected lifetime (hours)	10000	
Warranty period	1 year	



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MGL-F-589 PSU-H-LED **PSU-H-FDA** PSU-SR 145 238 M16 X 0.5 M18.6 X 0.5 O 96 92 ก่อออกการการการก่อ 64 88 軨 186.5 236 204.5 78 4-6 X 15 211 240 -----211 (L)×88(W) ×74(H) mm<sup>3</sup>, 1.6 kg 277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg 275(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg 188(L) ×145(W) ×83(H) mm<sup>3</sup>, 2kg

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