



CMS Series 532nm Green Laser Modules

With $\Phi 12\text{mm} \times 13\text{mm}$, Output Power up to 80mW, 3VDC or 5VDC

Overview

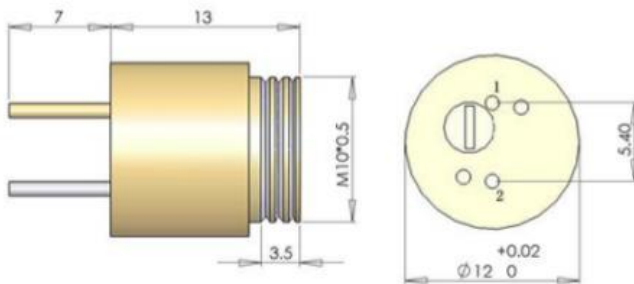
The CMS series laser module is a miniature laser module at available wavelength of 532nm with compact dimensions of $\Phi 12\text{mm} \times 13\text{mm}$ and output power levels up to 80mW. The laser module features ultra-compact design and low cost. It is widely used in laser module assembling, laser scanning, laser alignment, aiming, surveying equipment, laser display and many other applications.



Specifications

Model Number	CMS532-80F3		CMS532-80F5
Wavelength (nm)	532 \pm 1		
Output power (mW)	~80		
Transverse mode	TEM ₀₀		
Operating mode	CW		
PCB Driver	3V DC	5V DC	
M ² factor	<1.2		
Beam diameter at aperture (1/e ² , mm)	~3.0		
Beam divergence, full angle (mrad)	<15		
Beam roundness	>85%		
Beam alignment tolerance	Position (Δr)	<0.3mm	
	Angle (mrad)	<15mrad	
LD operating voltage (V)	<2.0		
LD operating current (mA)	600		
Operating lifetime (hours)	5000		
Residual IR	<0.2%		
Operating temperature ($^{\circ}\text{C}$)	10 to 35		
Operating humidity	5%-95%		
Storage temperature ($^{\circ}\text{C}$)	-45 to 85		
Dimensions	Brass housing	$\Phi 12\text{mm} \times 13\text{mm}$	
	PCB driver	17(L) x 11(W) mm ²	35(L) x 15(W) mm ²
Warranty	5 months		
Remarks	The housing of laser module is positive electrodes.		

Outline Dimensions (unit: mm)



PCB Driver Options

3V DC



5V DC



Additional Notes

- The CMS series laser modules are designated solely as OEM components for incorporation into the customer's end products. Therefore, it is the customer's responsibility to comply with the appropriate requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA Performance Standards for Light-Emitting Products](#) for detailed information.
- Additional heat sink may be needed if the laser module is operated continuously for a long period of time.
- Specifications are subject to change without notice.

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