

S-GDL-532/1~100mW

SMALLEST GREEN DIODE LASER

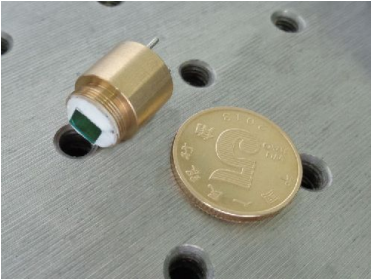
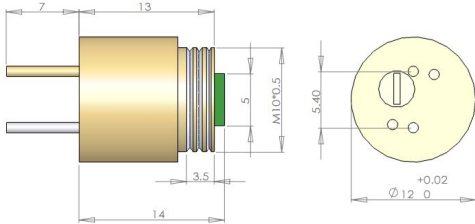




S-GDL 532nm is the smallest green laser module in the world, it made features of ultra compact and low cost, which can be widely used in laser module assembling, laser scanning, laser alignment, aiming, surveying equipments and laser display, etc.



SPECIFICATIONS

Wavelength (nm)	532 ± 1					
Output power (mW)	>1	>5	>20	>50	>80	>100
Transverse mode	TEM ₀₀					
Operating mode	CW					
M ² factor	<1.2					
Beam divergence, full angle (mrad)	<15					
Beam roundness	>85%					
power stability (rms)	<10% , over 4 hours at constant temperature after warm up					
	<20%, over operating temperature range					
Beam alignment tolerance	Position (Δr)		<0.3mm			
	Angle (mrad)		<15mrad			
LD operating voltage (v)	<2.0					
LD operating current (mA)	400	400	500	600	600	600
Operating lifetime (hours)	5000					
Residual IR	<0.2%					
Operating temperature (°C)	10~35					
Operating humidity	5%~95%					
Storage temperature (°C)	-40~85					
Package size (mm)	φ 12×13					
Warranty	6 months					
Remark	If smaller divergence is needed, PGL-VI is available.					



S-GDL-532	Dimensions	3VPCB			5VPCB
 <p>φ12×14(L) mm³</p>		 <p>17(L) × 11(W) mm²</p>	 <p>17(L) × 11(W) mm²</p>	 <p>17(L) × 11(W) mm²</p>	 <p>35(L) × 15(W) mm²</p>