



PGL-H-589/1~80mW

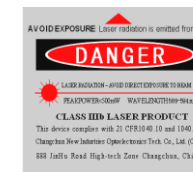
## HIGH POWER YELLOW LASER MODULE AT 589nm

All solid state orange laser at 589nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



### SPECIFICATIONS

|   |  |           |
|---|--|-----------|
| Wavelength (nm)                                       | 589±2  |           |
| Operating mode  | CW   |           |
| Output power (mW)                                     | >1, 10, 15, ... , 80                                 |           |
| Transverse mode                                       | TEM <sub>00</sub>                                    |           |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~0.1   |           |
| Beam divergence, full angle (mrad)                    | <15  |           |
| Operating temperature (°C)                            | 15~30  |           |
| Power supply  | DC 3V PCB  | DC 5V PCB |
| TTL modulation  | Optional, 1Hz-1KHz, 1KHz-10KHz, or higher on request |           |
| Expected lifetime (hours)                             | 10000  |           |
| Warranty  | 6 months   |           |



| PGL-H-589                                 | Dimensions | DC 3VPCB                        | DC 5VPCB                          |
|---|------------|---------------------------------|-----------------------------------|
| <p>Φ26×55.5(L) mm<sup>2</sup>, 0.3 kg</p> |            | <p>Φ26×15(H) mm<sup>3</sup></p> | <p>56×47×30(H) mm<sup>3</sup></p> |