

DPGL-3005F



Key Features:

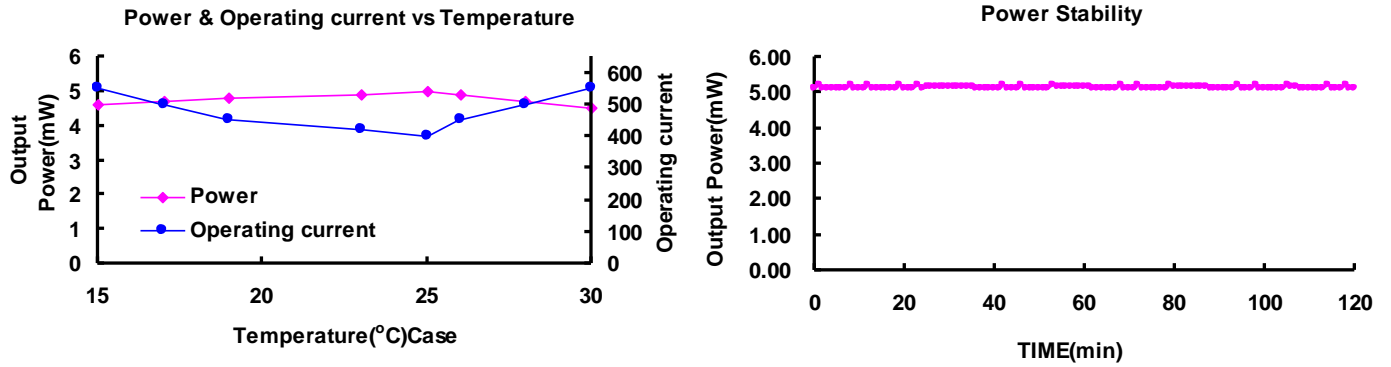
High Reliability
 High Power Stability
 Internal PD for Green Laser

Applications:

Alignment Laser
 Defect Detecting
 Laser Light Show & Display
 Scanning Test & Measurement

| Model Number | | DPGL-3005F | | | |
|------------------------------|------------------------|------------|-----------------------------------|-----------|------------------------------|
| Optical Parameters | | Specs | | | Conditions |
| | | Min | Typ | Max | |
| Wavelength | | 531nm | 532nm | 533nm | |
| Output Power | | 4 mW | 5mW | 6 mW | At 25°C |
| Power Stability | 2hours @ Constant Temp | - | +/-5% | - | |
| Operating Temperature (Case) | | - | 15~30 °C | - | APC |
| Residual IR | | - | - | 0.5% | |
| Beam Diameter | | - | 1.0mm | 1.2mm | At output window |
| Beam Divergence | | - | 1.0mrad | 1.2mrad | Full angle, 1/e ² |
| Roundness | | 90% | 95% | - | |
| M-Square | | - | - | 1.2 | |
| Electrical Parameters | | | | | |
| LD Working Current | | - | 350mA | 650mA | |
| LD Working Voltage | | 1.9V | 2.2V | 2.5V | |
| Warm Up Time | | - | - | 10minutes | At15°C |
| Mechanical Parameters | | | | | |
| Laser Head | Length | - | 80mm | - | |
| Dimensions | Diameter | - | 20mm | - | |
| Beam Alignment | Position(Δr) | - | - | 1mm | |
| Tolerance | Angle | - | - | 10mrad | |
| Laser Weight | | - | 120g | - | |
| Reliability | | | | | |
| Operating Humidity | | - | 5%~85% R.H. | - | |
| Storage Temperature | | - | -20 to +60 °C | - | |
| Shock | | - | 1500g, 0.5ms, 6 shocks | - | 3 axes, 2 shocks/axis |
| Vibration | | - | 20~2000Hz, 0.02g ² /Hz | - | 3 axes, 1hr/axis |
| Expected Lifetime (MTTF) | | 5000hrs | - | - | Room temperature |

Typical Output Performance



Dimensions (Unit: mm)

