

Ring Laser Module Wide Temperature Range



G532R010-1333-360-(0-40)-10

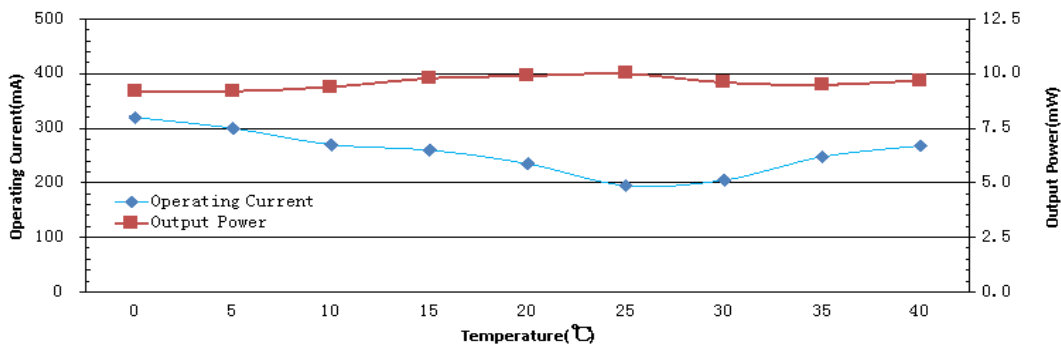
Application

- Leveling
- Marking
- Surveying Equipment

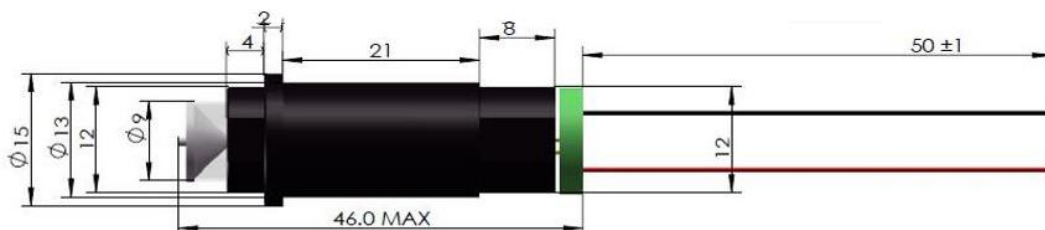
Feature

- Wide Temperature Range
- Fast Raise Time
- Mini Size
- High Reliability

Output Character



Dimensions (Unit: mm)



Specifications

| Specifications | | | | | |
|-------------------------------------|---------------|--|------------|-------------|-----------------------------|
| Module Number | | G532R010-1333-360-(0-40)-10 | | | |
| Basic Parameter | | Scale | | | Condition |
| | | Min. | Typ | Max. | |
| . Laser Head | Dia. (mm) | 12.95 | 13 | 13 | |
| | Length (mm) | 44 | 45 | 46 | |
| | Weight(g) | - | 18 | 22 | |
| Optical Parameter | | | | | |
| . Wavelength (nm) | | 530 | 532 | 534 | |
| . Output Power (mW) | | 15 | 18 | 20 | 25°C Dot Source Output |
| . Power Stability | | - | - | +/- 5% | 25°C |
| . Power Stability | | - | - | +/- 25% | Over Temperature Range |
| . Working Mode | | - | CW | - | |
| . Residual IR (%) | | - | - | 1% | |
| . Line Width (mm) | | 2.5 | - | 3.0 | @7m |
| . Straightness (mm) | | - | - | 1 | @10m |
| . Fan Angle (°) | | - | 360 | - | |
| Electronics Parameter | | | | | |
| . PCB Type | | - | APC | - | |
| . Operating Voltage (DC , V) | | 2.3 | 2.5 | 2.7 | |
| . Operating Current(mA) | | 150 | 200 | 350 | 2.5V Power Supply |
| Reliability | | | | | |
| . Operating Temperature (°C) | | 0 | 25 | 40 | Module Temperature |
| . Raise Time (s) | | 0.2 | - | 0.5 | To 75% of full output power |
| . Shock | | 1000 g , 1 ms , 6 shocks | | | 3 axes , 2 shocks/axis |
| . Vibration | | 20 ~ 2000 Hz , 0.02 g ² /Hz | | | 3 axes , 1 hr/axis |
| . Environmental Humidity (RH , %) | | 5 | - | 85 | |
| . Storage Temperature (°C) | | -20 | - | 60 | |
| . Lifetime (h) | | 5000 | - | - | MTTF at 25 °C |

Remark: The specification can be custom made according to customers' requirement.