

GREEN LASER DIODE MODULES

- Spectroscopy
- Particle Measurement
- Positioning
- Flow Visualization
- Interferometry
- Medical tissue analysis
- OEM product premium feature
- 532nm wavelength output



Body Style 1
AC Adapter not shown;
54 x 54 x 30 mm.

Body Style 2
The laser diode module body
is positively charged for heat sink
considerations.

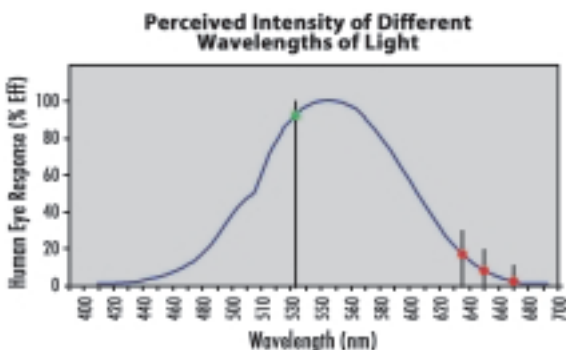
Body Style 3
Cooling fins provide extra
passive heat dissipation.



| Part No. | Class | Power (mW) | Body Style | Current (mA) | Oper. VDC | Length (mm) | Diameter (mm) | Control Circuit* |
|-----------|-------|------------|------------|--------------|-----------|-------------|---------------|------------------|
| 622-1-532 | II | 1 | 1 | <500 | 9 | 70 | 20 | ACC |
| 622-3-532 | II | 3 | 1 | <500 | 9 | 70 | 20 | ACC |
| 722-1-532 | II | 1 | 2 | <400 | 3 | 37 | 12 | ACC |
| 722-3-532 | IIIa | 1.2 - 4.9 | 2 | <400 | 3 | 37 | 12 | ACC |
| 742-1-532 | II | 0.5 - .99 | 3 | <400 | 3.3 - 5 | 60 | 20 | APC |
| 742-3-532 | IIIa | 1.5 - 3 | 3 | <400 | 3.3 - 5 | 60 | 20 | APC |
| 742-5-532 | IIIa | 3 - 5 | 3 | <400 | 3.3 - 5 | 60 | 20 | APC |

*ACC (Automatic Current Control) circuit design yields stability of 20% at 25± 3°C is acceptable for some applications.

*APC (Automatic Power Control) circuit for high output power stability of <±3% for precision applications.



Green laser light is significantly brighter than red laser light. All other factors being equal, the unaided human eye will perceive green laser light as over 8 times as bright versus the common red laser (at 650nm). Green lasers are being adopted as a replacement for HeNe lasers. Along with increased visibility, many OEMs are enjoying the benefits of offering green lasers as a premium option.

BEA
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