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## 0.8mW, 635nm, C2 Gated Cameo Laser



Stock **#72-684** [CONTACT US](#)

- 1 + **C\$154<sup>00</sup>**

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | <b>C\$154.00</b> each         |
| Qty 10+        | <b>C\$146.30</b> each         |
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Product Downloads

| General                                              |                |
|------------------------------------------------------|----------------|
| Mean Time To Failures MTTF @ 25° (hours):<br>≥30,000 |                |
| Diode                                                | Type of Laser: |
| Laser Class - CDRH:                                  |                |
| II                                                   |                |

| Physical & Mechanical Properties      |                             |
|---------------------------------------|-----------------------------|
| 14 x 14                               | Dimensions (mm):            |
| 15                                    | Weight (g):                 |
| 24                                    | Housing Length (mm):        |
| Optical Properties                    |                             |
| 635.00                                | Wavelength (nm):            |
| 2                                     | Beam Diameter (mm):         |
| 0.35                                  | Beam Divergence (mrad):     |
| Red                                   | Color:                      |
| 25mm - ∞                              | Focus Range (mm):           |
| Electrical                            |                             |
| 0.8                                   | Output Power (mW):          |
| ±1.5                                  | Power Stability (%):        |
| Hardware & Interface Connectivity     |                             |
| Free Space - Fixed Lens, 2mm Aperture | Output Type:                |
| JST 4 Pin                             | Connector:                  |
| 4.5                                   | Input Voltage (V):          |
| Environmental & Durability Factors    |                             |
| -10 to +45                            | Operating Temperature (°C): |
| -40 to +85                            | Storage Temperature (°C):   |
| Regulatory Compliance                 |                             |
| Compliant                             | RoHS 2015:                  |
| View                                  | Certificate of Conformance: |
| Compliant                             | Reach 240:                  |

## Product Details

- TTL Modulation up to 100kHz
- Compact 24 x 14 x 14mm Housing with M12 x 1 Threaded Barrel
- 635, 650, and 670nm Wavelength Options

Compact Gated Industrial Laser Diode Modules provide a high quality, cost effective OEM solution for a range of industrial applications. Featuring a gated CW laser output, these modules can achieve switching speeds up to 100kHz through the control input or they can be operated from low power TTL and microprocessors to achieve a simple, slow speed ON/OFF switching. An electrically isolated compact 24 x 14 x 14mm housing and M12 x 1 threaded barrel facilitates efficient cooling through good thermal contact and allows for easy integration into existing OEM laser systems. Compact Gated Industrial Laser Diode Modules are ideal for a wide range of industrial OEM applications including machine vision, inspection, positioning, and alignment. When operated within the appropriate temperature range (-10 to 55°C), these lasers can achieve long lifetimes with minimum mean time between failures (MTTF) ranging from ≥30,000 to ≥120,000 hours depending on wavelength.

**Note:** Interchangeable optics only compatible with A series Gated Cameo Lasers #72-688 and #72-689. C2 series lasers, #72-684 and #72-686, feature a fixed 2mm aperture lens, and S series lasers, #72-685 and #72-687, feature a fixed standard collimating lens that produces a beam size of 5 x 1.5mm.