

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



Stock #72-684 **1 In Stock**

⊖ 1 ⊕ £88<sup>00</sup>

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### Volume Pricing

Qty 1-9	£88.00 each
Qty 10+	£83.60 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Mean Time To Failures MTF @ 25° (hours):  
≥30,000

Diode  
Type of Laser:

Laser Class - CDRH:

## 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 (MTBF) 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.