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## 2.8mW, 650nm, A Gated Cameo Laser



Stock **#72-689** **1 In Stock**

⊖ 1 ⊕ €117<sup>00</sup>

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### Volume Pricing

Qty 1-9	€117,00 each
Qty 10+	€111,15 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

**Mean Time To Failures MTTF @ 25° (hours):**  
≥50,000

**Note:**

Compatible with Interchangeable Optics:  
[#73-168](#)  
[#73-169](#)

#73-172  
#73-175  
#73-179

Diode **Type of Laser:**

IIIR **Laser Class - CDRH:**

### Physical & Mechanical Properties

14 x 14 **Dimensions (mm):**

15 **Weight (g):**

24 **Housing Length (mm):**

### Optical Properties

650.00 **Wavelength (nm):**

3.1 **Beam Diameter (mm):**

<0.4 **Beam Divergence (mrad):**

Red **Color:**

25mm - ∞ **Focus Range (mm):**

### Electrical

2.8 **Output Power (mW):**

±1.5 **Power Stability (%):**

### Hardware & Interface Connectivity

Free Space **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.