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0.8mW, 670nm, C2 Gated Cameo Laser



Stock #72-686 [CONTACT US](#)

⊖ 1 ⊕ €110⁰⁰

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Volume Pricing

Qty 1-9	€110,00 each
Qty 10+	€104,50 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Mean Time To Failures MTTF @ 25° (hours):
≥120,000

Type of Laser:
Diode

Laser Class - CDRH:

II

Physical & Mechanical Properties

Dimensions (mm):

14 x 14

Weight (g):

15

Housing Length (mm):

24

Optical Properties

Wavelength (nm):

670.00

Beam Diameter (mm):

2

Beam Divergence (mrad):

0.35

Color:

Red

Focus Range (mm):

25mm - ∞

Electrical

Output Power (mW):

0.8

Power Stability (%):

±1.5

Hardware & Interface Connectivity

Output Type:

Free Space - Fixed Lens, 2mm Aperture

Connector:

JST 4 Pin

Input Voltage (V):

4.5

Environmental & Durability Factors

Operating Temperature (°C):

-10 to +55

Storage Temperature (°C):

-40 to +85

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 240:

[Compliant](#)

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.