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2.8mW, 635nm, S Gated Cameo Laser



Stock #72-685 **1 In Stock**

⊖ 1 ⊕ £93⁰⁰

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Volume Pricing

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| Qty 1-9 | £93.60 each |
| Qty 10+ | £88.92 each |
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Product Downloads

General

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

Diode

Type of Laser:

III R Laser Class - CDRH:

Physical & Mechanical Properties

14 x 14 Dimensions (mm):

15 Weight (g):

24 Housing Length (mm):

Optical Properties

635.00 Wavelength (nm):

5 Beam Diameter (mm):

< 0.5 Beam Divergence (mrad):

Red Color:

25mm - ∞ Focus Range (mm):

Electrical

2.8 Output Power (mW):

±1.5 Power Stability (%):

Hardware & Interface Connectivity

Free Space - Fixed Lens Standard Collimating Lens 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.