

2.8mW, 650nm, A Gated Cameo Laser



Stock #72-689 1 In Stock

- 1 + €117⁰⁰

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Volume Pricing	
Qty 1-9	€117,00 each
Qty 10+	€111,15 each
Need More?	Request Quote

ⓘ 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:
	III R
Laser Class - CDRH:	

Physical & Mechanical Properties

Dimensions (mm):	
14 x 14	
Weight (g):	
15	
Housing Length (mm):	
24	

Optical Properties

Wavelength (nm):	
650.00	
Beam Diameter (mm):	
3.1	
Beam Divergence (mrad):	
<0.4	
Color:	
Red	
Focus Range (mm):	
25mm - ∞	

Electrical

Output Power (mW):	
2.8	
Power Stability (%):	
±1.5	

Hardware & Interface Connectivity

Output Type:	
Free Space	
Connector:	
JST 4 Pin	
Input Voltage (V):	
4.5	

Environmental & Durability Factors

Operating Temperature (°C):	
-10 to +45	
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.