

2.8mW, 635nm, S Gated Cameo Laser



Stock **#72-685** **2 In Stock**

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+

₹9,450

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SPECIFICATIONS

General

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

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	
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 (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.