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## 25mm Aperture Shutter, C-Mount Compatible



25mm Aperture Shutter, C-Mount Compatible, #59-253

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**Note:** This item requires accessories for use | [Learn More](#)

### Product Downloads

### General

Shutter

**Note:**

### Physical & Mechanical Properties

25.0

**Aperture (mm):**

0.6

**Weight (lbs):**

## Electrical

### Device Interface:

RS-232 (3ft), USB (6ft), shutter-to-controller interconnect cable (6ft)  
Requires 1 x [Shutter Controller](#)

## Hardware & Interface Connectivity

### Power Supply:

Universal 115-230 VAC 50-60 Hz (Included)

## Threading & Mounting

### Mount:

C-Mount

## Environmental & Durability Factors

### Operating Temperature (°C):

-10 to +50

## Regulatory Compliance

### Reach 191:

[Compliant](#)

### RoHS 2015:

[Compliant](#)

### Certificate of Conformance:

[View](#)

### Country of Origin:

United States

### Imported By:

Edmund Optics India Private Limited

## Product Details

- Microprocessor-Controlled Motion Profile
- USB, RS-232, TTL or Manual Control
- Rated for Millions of Cycles of Actuation
- 25 and 35mm Aperture Shutters Available

Our stepper-motor driven shutters provide fast and accurate exposures and are ideal for microscopy and machine vision applications. The controller allows programmable control over the exposure time and the delay between trigger and shutter opening. The controller contains a three-position switch, which allows the shutter to manually open and close or be remotely controlled. RS-232, USB and TTL inputs can be used for remotely controlling the shutter. A TTL output line located in the rear panel of the controller allows for cascading the trigger input signal to another device. The interface software allows selection among three modes of operation: Fast, Soft and Variable Aperture (Neutral Density) Mode. The shutter can be configured to close and reopen repeatedly or loop for a specific number of cycles. The shutter consists of a single blade made of bare aluminum. The 25mm shutter can be mounted either through its C-Mount threads or via its 8-32 tapped hole at the base. The 35mm shutter uses T-mount threads for mounting.

## Operation Specifications

- Modes
  - Fast: Shutter Motion Optimized for Fastest Open/Close Times (8ms from Receipt of Command, 3ms from Start of Motion)
  - Soft: Minimizes Vibration; 60ms Open/Close Times
  - Neutral Density: Shutter Can Be Commanded to Open to Any Specified Position
- Exposure Time: User Selectable from 0 - 5h in 1/10ms Increments
- Delay Time: User Selectable from 0 - 5h in 1/10ms Increments

## Technical Information



