

Bi-stable Linear Optical Shutter LOS0708

New

Takano Linear Optical Shutter LOS0708 utilizes a Bi-stable Miniature Electromagnetic Actuator to generate the linear motion of the shutter blade. This unique structure enables its use in applications where weight and space are at a premium.



▶ [Features](#)

▶ [Specifications](#)

▶ [Dimensions](#)

Features

◆ Miniature Linear Shutter Actuator – Compact, Low Profile, Light Weight

In addition to the miniature electromagnetic actuator enabling LOS0708 to be compact and light weight, the linear motion of the shutter blade makes its body low profile.

All of these space saving, easy integration features dedicate to your application to be compact and light weight.

◆ Bi-stable Operation – Energy Saving

LOS0708 is bi-stable and pulse driven. Energization is only required when closing or opening the shutter.

◆ Mechanical Characteristics

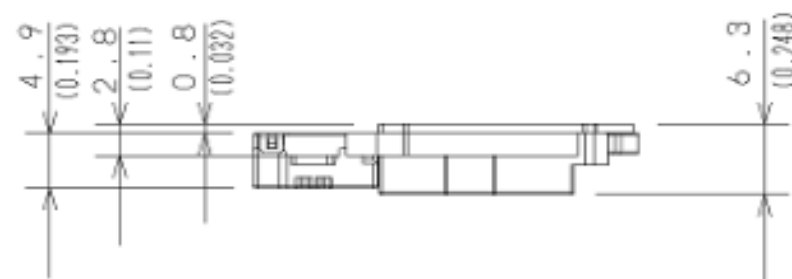
It can be simply mounted in the light path with 2 screws. Customization of mounting and frame are available.

Specifications

Control/Actuation	Bi-stable
Operating voltage	3.3 -12 VDC
DC resistance	40 Ω
Aparture (Window)	7 x 8 mm
Close/Open speed	≤ 50 ms
Pulse duration	100 to 200 ms
Power Consumption	0.272 W (at input 3.3 VDC) 3.6 W (at input 12 VDC)
Operating temperature	-20 to 70 $^{\circ}\text{C}$
Life time	100,000 cycles
Mass	7 g

Dimensions

mm (Inches)



Power polarity		Aperture
Blue	Red	
+	-	Close
-	+	Open

Housing: A1250H-02P (Joint Tech)

Terminal: A1250-TPE-A (Joint Tech)

