

# Visible Cone Laser Module

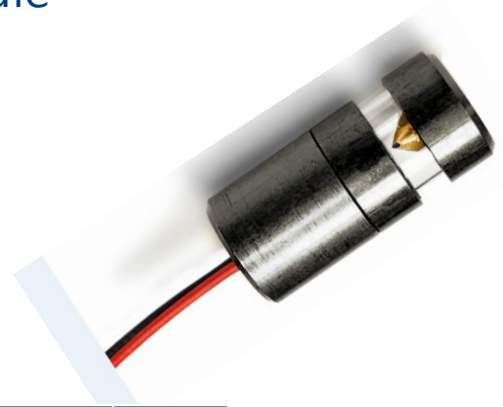
APFD-635-02-05-TA

6-2D-LM63-041\_Rev.00

## Φ10mm 635nm 360° Line Laser Module

### Features

APC (auto power control) IC inside  
full 360 ° laser line  
High brightness  
better line quality



### Absolute maximum ratings

Parameter	Symbol	Rating	Unit
Power supply voltage	Vcc	5.5	V
Laser Module optical output power	Po	<5	mW
Operation temperature	Topr	-5~40	°C
Storage temperature	Tstg	-40~75	°C

### Electrical and optical characteristics (T<sub>c</sub>=25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Wavelength	λ	635	638	643	nm	Po= 5mW
Operation current	Iop	-	-	45	mA	Po= 5mW ; Vcc=3V
Optical output power (Dot)	Pout	3.5	-	5	mW	
Operation voltage	Vop		3	5	Volt	
Line thickness at 3M					<4mm	
Emitting angle					360°	

\* Sufficient heat dissipation is required for CW operation.

ARIMA LASERS CORP.

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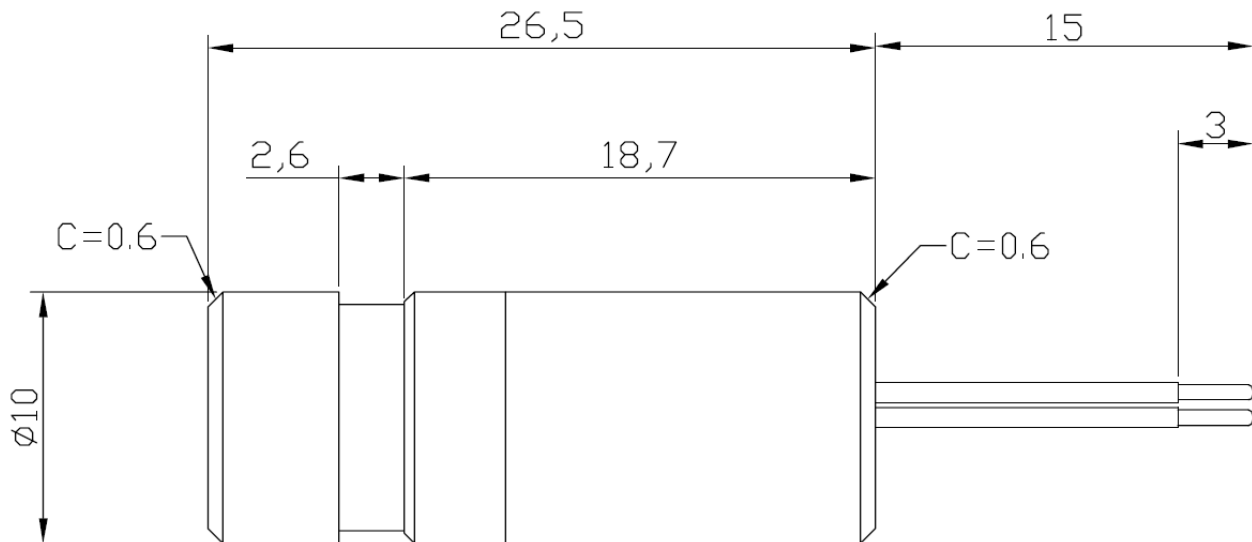
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**Arima**  
LASERS

## Φ10mm 635nm 360° Line Laser Module

Outline dimensions (Units: mm)



**Red wire : Vcc**

**Black wire : GND**

### • Precautions

- \* Do not operate the device above maximum ratings. Doing so may cause unexpected and permanent damage to the device.
- \* Take precautions to avoid electrostatic discharge and/or momentary power spikes. A change in the characteristics of the laser or premature failure may result.
- \* Proper heat sinking of the device assures stability and lifetime. Always ensure that maximum operating temperatures are not exceeded.
- \* Observing visible or invisible laser beams with the human eye directly, or indirectly, can cause permanent damage. Use a camera to observe the laser.
- \* No laser device should be used in any application or situation where life or property is at risk in event of device failure.
- \* Specifications are subject to change without notice. Ensure that you have the latest specification by contacting us prior to purchase or use of the product.

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