

# Mechanically aligned Dot or Line- laser



## Characteristics:

- Collimated dot laser
- Accurate alignment of the optical to the mechanical axis
- No adjustment required when mounting the laser

Or

- Line laser with 60° opening angle
- Line remains in position when the laser is rotated by 180 degrees

## Description

The mechanically aligned laser generates a well visible dot which is useful to align objects. The line laser generates a clearly visible line which can be used to mark a virtual edge to adjust or align objects

\*Because the laser beam is centred precisely to the module housing, the time consuming adjustment of the module is no longer required.

## Ordering Information and technical Data

Order Number	Wavelength nm	Optical Output mW	Beam Shape mm	Laser class	*Diver- gence mrad	Wave length shift nm / °C	Output power stability % (25°C)	Ripple Noise 4-6 VDC % rms
0009-10-92-01*	635	< 1 mW	2 x 3	2	0.5	0.25	< 0.5	< 1
0009-11-92-01*	635	< 1 mW	Line 60°	2		0.25	< 0.5	< 1
0009-12-92-01*	635	< 3 mW	2 x 3	3R	0.5	0.25	< 0.5	< 1
0009-13-92-01*	635	< 3 mW	Line 60°	3R		0.25	< 0.5	< 1
0009-20-92-01	650	< 1 mW	2 x 3	2	0.5	0.25	< 0.5	< 1
0009-21-92-01	650	< 1 mW	Line 60°	2		0.25	< 0.5	< 1
0009-22-92-01	650	< 3 mW	2 x 3	3R	0.5	0.25	< 0.5	< 1
0009-23-92-01	650	< 3 mW	Line 60°	3R		0.25	< 0.5	< 1

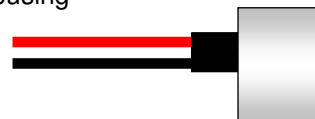
Unless otherwise indicated, the data is correct at room temperature and normal operating conditions.

\*Full angle

## Electrical connections

Note: usually + on housing  
\* = - on housing

+ = red cable  
- = black cable



## Dimensions

Diameter 11 mm x 58 mm long  
(Cable length 150 mm)

Deviation from optical/mechanical axis at room temperature < 0.4 mrad

Operating Voltage: 4 to 6 VDC

Power consumption subject to power setting:  
< 80mA / Polarity protected