

JULA – LASER MODULE WITH ADJUSTABLE BEAM



The laser emits a clearly visible laser beam (dot) which can be mechanically adjusted. It can be used to position or align objects. Due to the fine adjustment the laser beam an adjustment accuracy of 0.12 mrad is possible.

The fitting of the laser to a mount is easy achieved using any one of the provided M20-thread, M18 x 1-thread or diameter $\varnothing 22$ g6 tolerance fit.

CHARACTERISTICS

- Collimated laser beam
- Laser X-Y axis adjustable with screw driver
- Permits easy adjustment after fitting of laser
- Three mounting options using either
- M20 or M18 x 1 thread or diameter $\varnothing 22$ g6 tolerance fit
- ± 20 mrad angle of adjustment travel
- 0.24 mrad adjustment per click
(1 turn of the screwdriver = 50 click's)
- Resistant industrial use housing

TECHNICAL DATA/ORDER INFORMATION

Order number	Wavelength	Optical output	Beam shape at output (typical)	Laser class EN60825-1 +A2:2001	Divergence (typical)	Beam stability (-10°C to +50°C)	Supply voltage
	nm	mW	mm		mrاد	nm/°C	% (25°C)
0177-01-92-01	635	<1	2 x 3	2	0.5	0.03	+3 to 5.5
0177-02-92-01	635	<3	2 x 3	3R	0.5	0.03	+3 to 5.5
0177-05-92-01	650	<1	2 x 3	2	0.5	0.03	+3 to 5.5
0177-06-92-01	650	<3	2 x 3	3R	0.5	0.03	+3 to 5.5
0177-20-92-01	850	<0.7	3 x 5	1	0.33 x 0.17 at	0.03	+3 to 5.5
0177-21-92-01	850	<3	3 x 5	3R	1/e ² (13.5%)	0.03	+3 to 5.5

Unless indicated, the data is correct at ambient room temperature and under normal use.

¹⁾ At max. operating voltage

Warning: laser beams can cause damage to your eyes. The User is responsible to observe the local safety regulations.

DIMENSIONS

