

# Cross Laser Diode – 5mW 650nm Red

PRODUCT ID: 1058



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## DESCRIPTION

You have some frickin' sharks at your lair, and you're thinking "it would be really great if I could attach some lasers to them" and then you see these little laser diode modules: what great timing! These encapsulated laser diodes are Class IIIa 5mW, with a 650nm red wavelength. They can be driven from 2.8V to 5.2V so they're great for your embedded electronics project.

This particular module has a lens attached that will turn the dot into a cross. This makes it particularly good for laser-vision guidance, targeting, and more! Simply connect power to the red and black wires and you will be lasing in no time.

The cross has a beam spread of approximately 60° in both directions. So from a distance of 5cm, the cross is 5cm tall and 5cm wide. The cross ends have a sharp cutoff so the shape is very clearly defined.

Please note: this is not a laser pointer. It's a diode with integrated driver. You still need a 3 to 5VDC power supply. These diodes are 5mW output, and have a safety label marked on them. For more information on laser safety and ratings check out the Wikipedia page

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# Technical Details



Weight: 11.85g

Diameter: 10.11mm

Length: 32.82mm

Wire length: 100mm

650nm wavelength

2.8 – 5.2V DC voltage input

25mA max current draw

Operating temperature  $-10^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ ;