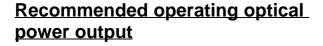


650 nm LASER DIODE

Features

- "Visible wavelength: 650 nm (typ.)
- "Optical power: 5 mW (CW)
- "TO-18 package with flat window (ø 5.6 mm)
- "Low operating current: lop = 25 mA (typ.)
- "Low operating voltage: Vop = 2.8 V (max)



"Less than 5 m W



Applications

- "Laser pointers
- "Laser modules
- "Bar code readers
- "Scanner

Description

The MCE-6E8F-Z01 is a red laser diode typically powered at 3 to 5 mW and designed for laser pointer.

The device contains a PIN photo diode to meet the designs of the automatic-power-control circuit. The small TO-18 package and lower consumption enable customers to easily incorporate our laser diodes into their products.

Structure

- "Index-guided structure
- "AlGainP quantum well structure
- "Integrated Si photodiode for optical power monitor

Handling and Safety Precautions

Anti-static protection, such as ionized air blowers or grounded wrist straps with a 1 mega series resistor, should be used at all times when handling laser diodes. In addition, soldering irons should be well grounded.

Overheating caused by soldering of the leads of a laser diode must be prevented. Recommend soldering iron temperature and maximum exposure time are below 260 °C and 10 seconds.