

Red Line Lasermodule

LC650-1-3(6x30)-F100
Order Number: 70106541

| Main Parameters (*) | min | typ | max | Unit |
|-----------------------|-----|-----|-----|------|
| Wavelength | | 650 | | nm |
| Optical Output Power | | 1 | | mW |
| Operating Voltage | 2.7 | 3 | 3.3 | V DC |
| Operating Current | 15 | 25 | 40 | mA |
| Operating Temperature | -20 | | 50 | °C |
| Storage Temperature | -40 | | 80 | °C |

Optical Parameters

| | |
|--------------------|----------------------|
| Beam Shape | Line |
| Laser Class | 1 |
| Divergence | 0.4mrad |
| Fan Angle | 90° |
| Line Thickness | <0.1mm@0.1m |
| Operating Distance | 0.1m |
| Optics | glass lens AR coated |
| Laser technology | Single Mode Diode |
| Focus | fixed (100mm) |

Technical Parameters

| | |
|----------|---------|
| Lifetime | >10000h |
| RoHS | yes |

Electrical Parameters

| | |
|--------------|--------|
| Power Supply | LFNT-3 |
|--------------|--------|

Mechanical Parameters

| | |
|-------------------|----------------------------|
| Size | Ø6x30mm |
| Material | Brass |
| Cable length | 100mm |
| Wire type | 26AWG, 0,14mm ² |
| Output Aperture | 3.5mm |
| Housing Color | black |
| Weight | 4.2g |
| Stripping of wire | 5mm |

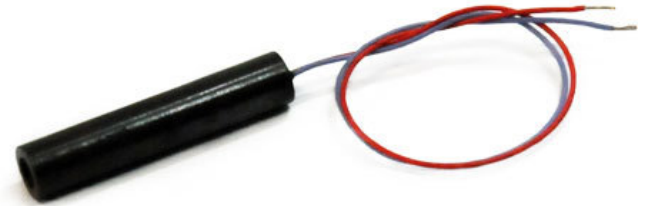
(*) Over the complete operating temperature range

Features





- Operating Voltage 3V DC
- Laser Class 1
- Image processing
- For medical devices
- Uniform line thickness

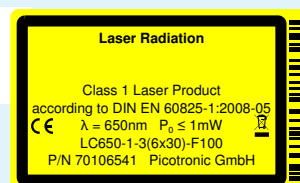
Picture



Cable Colors

| | | | |
|----------|---|------|----------------------|
| Ground |  | blue | GND |
| Positive |  | red | 2.7 - 3.3, typ 3V DC |

Safety Label



Revision

REV 7 | 04-AUG-2014