

Red Line Lasermodule

LI650-4-5(8x26)45DEG-F40

Order Number: 70112641

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		4		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	34	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	1.5mrad
Fan Angle	45°
Line Thickness	<0.3mm@0.04m
Operating Distance	0.04m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (40mm)

Technical Parameters

Lifetime	>10000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø8x26mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Output Aperture	3mm
Housing Color	black
Weight	4g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features





- Laser Class 1
- Low power consumption
- For medical devices
- Uniform line thickness
- Image processing

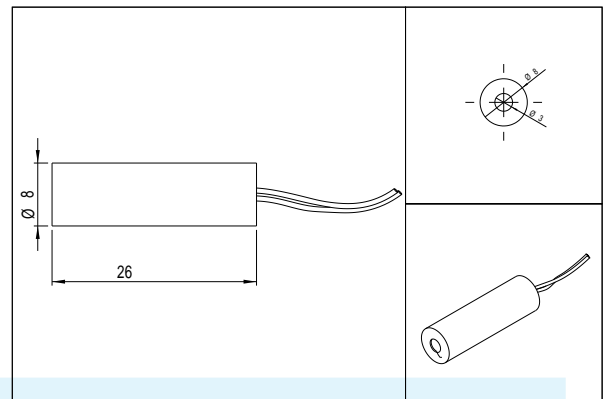
Picture



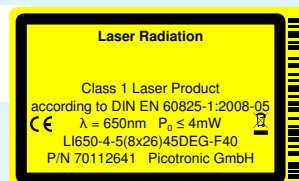
Cable Colors

Ground		green	GND
Positive		red	4.5 - 5.5, typ 5V DC

Drawing



Safety Label



Revision

REV 23 | 13-OCT-2014