

Line laser, red, 650nm, 90°, 5mW

MLC650-5-5-F(14x45)

Order Number: 70110531

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	C - 0.4mrad
Fan Angle	90°
Line Thickness	adjustable
Operating Distance	2m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	VDD(+)
Max. Mod. Frequency	200Kilohertz
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø14x45mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	4mm
Housing Color	black
Weight	17g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features



- Laser Class 1
- Image processing
- Adjustable focus
- Modulated
- Uniform line thickness

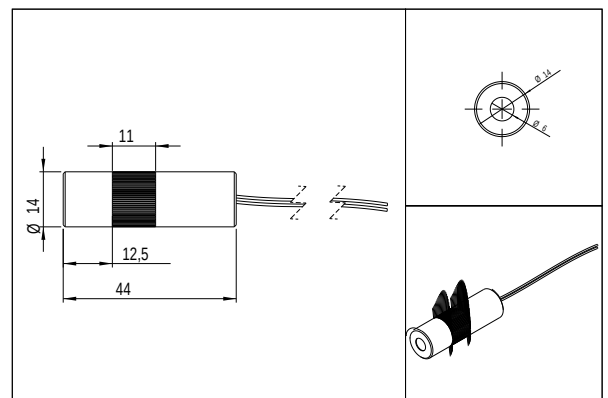
Picture



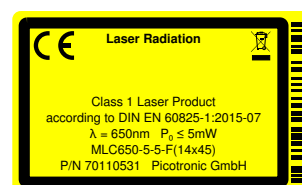
Cable Colors

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5V DC
Modulation		yellow	200Kilohertz

Drawing



Safety Label



Revision

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