

Line laser, red, 635nm, 40°, 15mW
MLE635-15-5(14x55)40DEG-F1000
Order Number: 70125948

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		15		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	100	170	200	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	2
Divergence	E - 0.6mrad
Fan Angle	40°
Line Thickness	<0.5mm@1m
Operating Distance	1m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	100Kilohertz
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø14x55mm
Material	aluminium
Cable length	500mm
Wire type	RVVP 3x0.2, Shielded Wire
Output Aperture	5.5mm
Housing Color	black
Weight	28g
Stripping of wire	5mm
Stripping of cable cover	50mm

(*) Over the complete operating temperature range

Features



- Laser Class 2
- Low power consumption
- Uniform line thickness
- Image processing

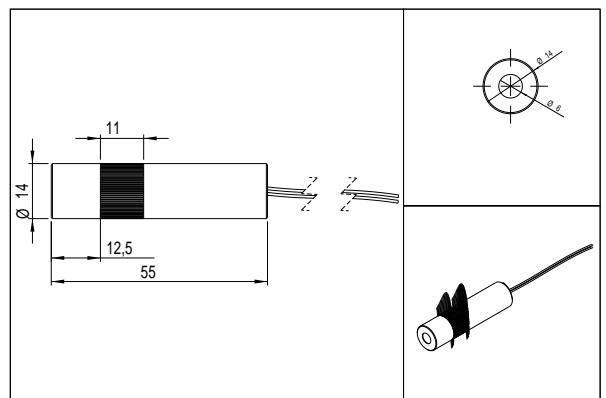
Picture



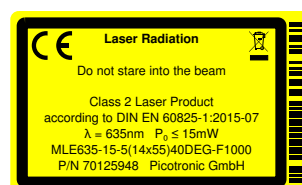
Cable Colors

Ground		black	GND
Positive		white	4.5 - 5.5, typ 5V DC
Modulation		yellow	100Kilohertz

Drawing



Safety Label



Revision

| 28-SEP-2017