

Line laser, red, 650 nm, 360°, 15 mW

MLE650-15-5(12x55)360DEG-F71-PWM
Order Number: 70146752

Main Parameters (*)	min	typ	max	Unit
Wavelength	640	650	660	nm
Optical Output Power	10	15	17	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	30	60	100	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		50	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	E - 0.6 mrad
Fan Angle	360°
Line Thickness	0.7mm@0.071m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (71mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	1,000 kHz

Mechanical Parameters

Size	Ø12x55 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Housing Color	black
Weight	5 g

(*) Over the complete operating temperature range

Features

- Planarity of the line: <+/- 0.05°
- Plane inclination of the line: <+/- 0.25°
- Low intensity variation over the complete line
- Max 10%
- PWM-modulation up to 1 Mhz via third wire 0-5 V

Picture



Cable color

Ground		black	GND
Modulation		yellow	≤ 1.000 kHz
Positive		red	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 24-JAN-2024