

Line laser, red, 660 nm, 45 °, 50 mW

MLE660-50-5(16x50)45-PWL-F1815-P
Order Number: 70142228

Main Parameters (*)	min	typ	max	Unit
Wavelength	650	660	670	nm
Optical Output Power		50	75	mW
Operating Voltage	2.5	5	5	V DC
Operating Current	50	140	160	mA
Operating Temperature	-10		80	°C
Storage Temperature	-40		85	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime >6000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	E - 0.6 mrad
Fan Angle	45 °
Line Thickness	<1mm@1.815m
Operating Distance	1.815 m
Optics	Powell Lens
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	<5 %
Axial Divergence	±1 °
Focus	fixed (1815mm)

Electrical Parameters

Potential of Housing isolated
Cable color power control Yellow

Mechanical Parameters

Size	Ø16x50 mm
Material	aluminium
Cable length	300 mm
Wire type	26AWG, UL, isolated
Output Aperture	4.5 mm
Housing Color	black
Weight	20 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Powell Lens
- Uniform line distribution
- Image processing

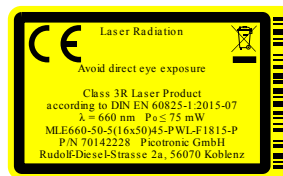
Picture



Cable color

Ground		black	GND
positive		red	2.5 - 5, typ 5 V DC
modulation		green	

Safety Label



Valid Revision

| 02-OCT-2019