

Line laser, red, 650 nm, 45°, 50 mW

MLC650-50-24(19x88)45DEG-ADJ-PWL
Order Number: 70147940

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	655	nm
Optical Output Power	45	50	55	mW
Operating Voltage	23.3	24	24.6	V DC
Operating Current	50	100	200	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3B
Divergence	B - 0.3 mrad
Fan Angle	45°
Line Thickness	adjustable
Optics	Powell Lens
Laser technology	Single Mode Diode
Protection Lens	yes
Axial Divergence	± 0.5°
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Max. Mod. Frequency	50 kHz
Power Supply	Power Supply, Output: 24V DC, Input: 100-240V AC, 50-60Hz, Output Power: 24W max.
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø19x88 mm
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Material	aluminium
Cable length	100 mm
Wire type	26AWG, UL, isolated
Output Aperture	6.8 mm
Housing Color	black
Weight	70 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



Picture



Cable color

Ground		black	GND
Positive		red	23.3 - 24.6, typ 24 V DC
Modulation		yellow	50 kHz

Safety Label



Valid Revision

| 17-MAR-2023