

Line laser, infrared, 980 nm, 45°, 100 mW

MLH980-100-24(22x60)45-PWL-F300
Order Number: 70141863

Main Parameters (*)	min	typ	max	Unit
Wavelength		980		nm
Optical Output Power		100		mW
Operating Voltage	23	24	25.5	V DC
Operating Current	200	500	700	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	H - 1.0 mrad
Fan Angle	45°
Line Thickness	<0.2mm@0.3m
Operating Distance	0.3m
Optics	glass lens AR coated
Laser technology	Multi Mode Diode
Focus	fixed (300mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	10 kHz
Power Supply	Power Supply, Output: 24V DC, Input: 100-240V AC, 50-60Hz, Output Power: 24W max.

Mechanical Parameters

Size	Ø22x60 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm ²
Output Aperture	5.5 mm
Housing Color	black
Weight	53g

(*) Over the complete operating temperature range

Features






- Operating Voltage 24 V DC
- Laser Class 3R
- Uniform line thickness
- Fan angle 45°
- Image processing

Picture



Cable color

Ground		black	GND
Positive		red	23 - 25.5, typ 24 V DC
Modulation		yellow	10 kHz

Safety Label



Valid Revision

| 09-MAY-2022