

Line laser, blue, 405 nm, 30°, 5 mW

MLH405-5-10(10x50)30-PWL-F40-IC
Order Number: 70141979

Main Parameters (*)	min	typ	max	Unit
Wavelength	400	405	410	nm
Optical Output Power	1	5	5	mW
Operating Voltage	9.5	10	10.5	V DC
Operating Current	30	50	80	mA
Operating Temperature	-20		70	°C
Storage Temperature	-40		85	°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	2M
Divergence	H - 1.0 mrad
Fan Angle	30°
Line Thickness	<0.04mm@40mm
Operating Distance	0.04 m
Optics	Powell Lens
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	< 5 %
Axial Divergence	± 1°
Focus	fixed (40mm)

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Max. Mod. Frequency	50 kHz
Cable color power control	Yellow

Mechanical Parameters

Size	Ø10x50 mm
Material	aluminium

Cable length	100 mm
Wire type	26AWG, UL, isolated
Output Aperture	4 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

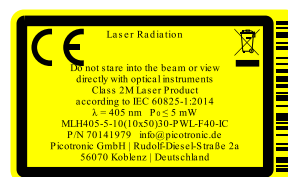
Picture



Cable color

Ground		black	GND
Positive		red	9.5 - 10.5, typ 10 V DC
Modulation		green	50 kHz

Safety Label



Valid Revision

| 26-SEP-2022