

Line laser, blue, 405 nm, 60°, 50 mW

MLE405-50-5(16X50)60-PWL-F390-IC
Order Number: 70155259

Main Parameters (*)	min	typ	max	Unit
Wavelength	410	405	400	nm
Optical Output Power		50	75	mW
Operating Voltage	2.5	5	5	V DC
Operating Current	80	200	250	mA
Operating Temperature	-10		80	°C
Storage Temperature	-40		85	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	>6,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	E - 0.6 mrad
Fan Angle	60°
Line Thickness	<0.25mm@0.39m
Operating Distance	0.39 m
Optics	Powell Lens
Opt. Power Stability at const. Temp.	< 5 %
Axial Divergence	± 1°
Focus	fixed (390mm)

Electrical Parameters

Potential of Housing	isolated
Cable color power control	Yellow

Mechanical Parameters

Size	Ø16x50 mm
Material	aluminium
Cable length	175 mm

Wire type	26AWG, UL, isolated
Output Aperture	4.5 mm
Housing Color	black
Weight	20 g
Stripping of wire	10 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

| 09-MAY-2022