

Line laser, red, 640 nm, 45 °, 30 mW

MLH640-30-5(18x60)90-PWL-F250
Order Number: 70146783

Main Parameters (*)	min	typ	max	Unit
Wavelength	635	640	645	nm
Optical Output Power	25	30	30	mW
Operating Voltage	4.5	5	5	V DC
Operating Current	50	80	100	mA
Operating Temperature	-10		80	°C
Storage Temperature	-40		85	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	H - 1.0 mrad
Fan Angle	45 °
Line Thickness	≤300µm (@250mm)
Operating Distance	0.25 m
Optics	Powell Lens
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	< 5 %
Focus	fixed (250mm)

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Max. Mod. Frequency	100 kHz

Mechanical Parameters

Size	Ø18x60 mm
Material	aluminium
Cable length	200 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
- TTI-Modulation

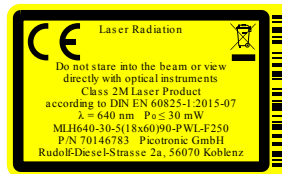
Picture



Cable color

Ground		black	GND
positive		red	4.5 - 5, typ 5 V DC
modulation		yellow	100 kHz

Safety Label



Valid Revision

| 28-APR-2020