

Line laser, infrared, 830 nm, 60°, 3 mW

LH830-3-24(12X40)60DEG-F450
Order Number: 70159837

Main Parameters (*)	min	typ	max	Unit
Wavelength	825	830	835	nm
Optical Output Power		3		mW
Operating Voltage	21.6	24	26.4	V DC
Operating Current	10	20	30	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		85	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes
FDA registration	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	60°
Line Thickness	<0.5mm@0.45m
Operating Distance	0.45 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (450mm)

Electrical Parameters

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

Mechanical Parameters

Size	Ø12x40 mm
Material	aluminium

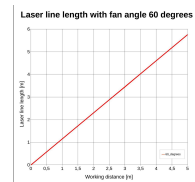
Cable length	200 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	4 mm
Housing Color	black
Weight	10 g

(*) Over the complete operating temperature range

Features



Picture



Cable color

Ground		black	GND
Positive		red	21.6 - 26.4, typ 24 V DC

Safety Label



Valid Revision

| 26-JAN-2024