

Line laser, infrared, 808 nm, 75°, 50 mW

LB808-50-24(19x88)75DEG-PWL-TTL
Order Number: 70149975

Main Parameters (*)	min	typ	max	Unit
Wavelength		808		nm
Optical Output Power		50		mW
Operating Voltage	12	24	24	V DC
Operating Current	50	100	200	mA
Operating Temperature	-10		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	3B
Divergence	B - 0.3 mrad
Fan Angle	75°
Line Thickness	adjustable
Operating Distance	0.5 m
Optics	Powell Lens
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	< 3%
Protection Lens	yes
Axial Divergence	± 0.2°
Focus	adjustable

Electrical Parameters

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

Mechanical Parameters

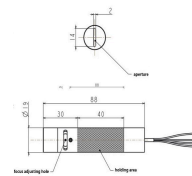
Size	Ø19x88 mm
Material	aluminium
Cable length	500 mm
Wire type	Belden 9533
Output Aperture	6.8 mm
Housing Color	black
Weight	20 g

(*) Over the complete operating temperature range




Features



Picture



Cable color

Ground		black	GND
Positive		red	12 - 24, typ 24 V DC
Modulation		yellow	10 kHz

Safety Label



Valid Revision

| 17-MAR-2023