

Line laser, red, 660 nm, 110°, 50 mW

LB660-50-5(19X95)110DEG-PWL
Order Number: 70145083

Main Parameters (*)	min	typ	max	Unit
Wavelength	655	660	665	nm
Optical Output Power	45	50	55	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	50	100	200	mA
Operating Temperature	-20		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	3R
Divergence	B - 0.3 mrad
Fan Angle	110°
Line Thickness	0.2mm@100mm
Optics	Powell Lens
Laser technology	Single Mode Diode
Protection Lens	yes
Axial Divergence	± 0.2°
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Connector	2.5 mm DC socket (+ pole inner)
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø19x95 mm
Material	aluminium
Cable length	950 mm
Wire type	Belden 9533
Output Aperture	6.8 mm
Housing Color	black
Weight	70 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 3R
- Adjustable focus
- High power

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 20-JUN-2024