

Doe laser, infrared, 850 nm, 110 mW

DOE-850-110-3(22x22)
Order Number: 70146608

Main Parameters (*)	min	typ	max	Unit
Wavelength	832	850	852	nm
Optical Output Power	100	110	120	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	400	450	500	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	DOE
Laser Class	3R
Divergence	D - 0.5 mrad
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø22x22 mm
Material	Aluminium/Plastic
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm

Weight 10 g

(*) Over the complete operating temperature range

Features



- Random-Pattern-Module
- >40.000 dots
- Compact size
- Operating Voltage 3 V DC
- High power

Picture



Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

Safety Label



Valid Revision

| 22-APR-2020