

Dot laser, infrared, 850 nm, 4 mW

DI850-4-3(8x21)-AP
Order Number: 70121292

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power		4		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	30	40	50	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	>5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	1 - 1.5 mrad
Beam Diameter	3 mm
Size of Laserdot	<8mm@6m
Operating Distance	6 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	±0.2°
Focus	fixed (6.0m)

Electrical Parameters

Potential of Housing	VDD(+)
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Mechanical Parameters

Size	Ø8x21 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	2 mm
Housing Color	silver
Weight	4 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 3R
- High power

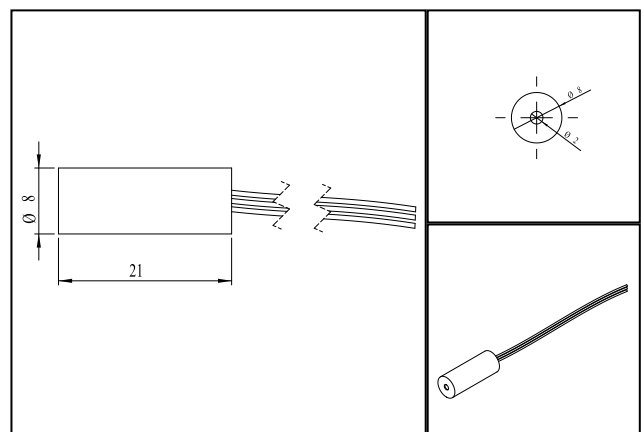
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 21-FEB-2019