

Dot laser, infrared, 840 nm, 50 mW

DD840-50-3(14x45)-F500-DOE
Order Number: 70150865

Main Parameters (*)	min	typ	max	Unit
Wavelength	830	840	850	nm
Optical Output Power	40	50	60	mW
Operating Voltage	2.8	3	3.3	V DC
Operating Current	50	100	200	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	D - 0.5 mrad
Size of Laserdot	<0.5@0.5m
Operating Distance	0.5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Focus	fixed (500mm)

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	Ø14x45 mm
Material	aluminium
Cable length	200 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm
Housing Color	black
Weight	18 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



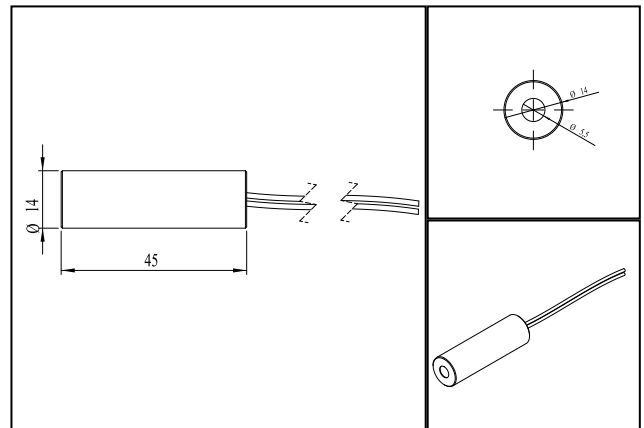
Picture



Cable color

Ground		black	GND
Positive		red	2.8 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

| 21-APR-2021