

Dot laser, infrared, 840 nm, 30 mW

DD840-30-3(14x45)-F500-DOE
Order Number: 70135138

Main Parameters (*)	min	typ	max	Unit
Wavelength	830	840	850	nm
Optical Output Power	25	30	32	mW
Operating Voltage	2.8	3	3.3	V DC
Operating Current	30	70	120	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 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, 0,14mm²
Output Aperture 5 mm
Housing Color black
Weight 18 g
Stripping of wire 5 mm

(*) Over the complete operating temperature range

Features



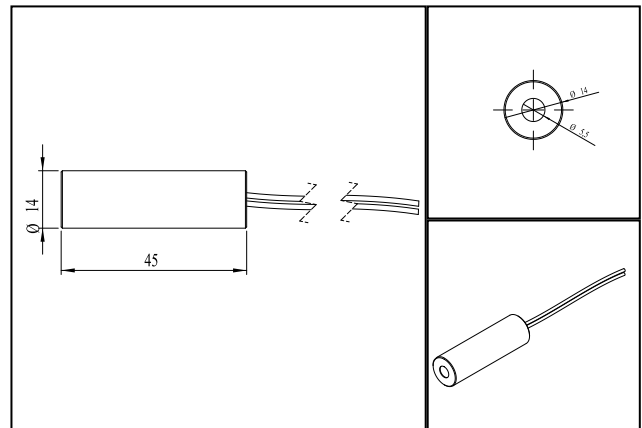
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 23-JAN-2020