

Dot laser, red, 650 nm, 1 mW

DGI650-1-5(7x14)-F35-C125
Order Number: 70108880

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	10	20	30	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
RoHS yes

Optical Parameters

Beam Shape Dot
Laser Class 2
Divergence G - 0.8 mrad
Beam Diameter 2.5 mm
Size of Laserdot <0.7mm@0.035m
Operating Distance 0.035 m
Optics acryl lense
Laser technology diode
Focus fixed (35mm)

Electrical Parameters

Potential of Housing isolated
Power Supply LFNT-5

Mechanical Parameters

Size Ø7x14 mm
Material aluminium
Cable length 125 mm
Wire type 26AWG, 0,14mm²
Output Aperture 2.5 mm
Housing Color black
Weight 1.5 g
Stripping of wire 5 mm

(*) Over the complete operating temperature range

Features




- Isolated housing
- Compact size
- Fixed focus
- Laser Class 2
- Operating Voltage 5 V DC

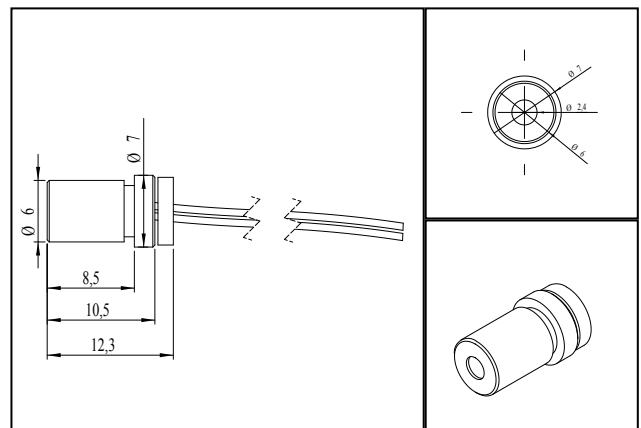
Picture



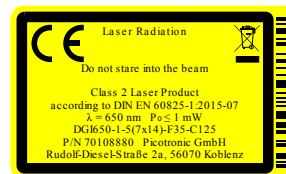
Cable color

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

Drawing



Safety Label



Valid Revision

9 | 25-MAR-2022

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