Dot laser, red, 650 nm, 1 mW

DG650-1-5(7x14)-F35
Order Number: 70107647

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	<0.3mm@0.035m
Operating Distance	0.035 m
Optics	acryl lense
Laser technology	diode
Focus	fixed (35mm)

Electrical Parameters

Potential of Housing	VDD(+)

Mechanical Parameters

Size	Ø7x14 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	2.5 mm
Housing Color	brass
Weight	1.5 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features

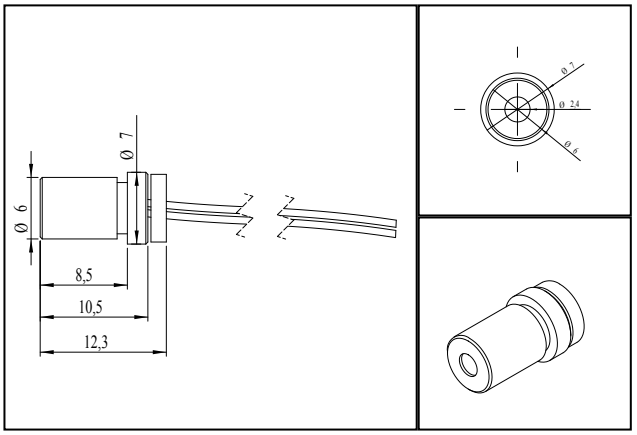
- Operating Voltage 5 V DC
- Laser Class 2
- Fixed focus
- Compact size
- Low power consumption

Picture

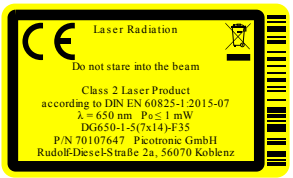
Cable color

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

Drawing



Saftey Label



Valid Revision

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