

Dot laser, red, 650 nm, 1 mW

DI650-1-12(12x40)-F100-A0.5-C140
Order Number: 70106817

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	10	12	12	V DC
Operating Current	15	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime >5,000h
RoHS yes

Optical Parameters

Beam Shape Dot
Laser Class 2
Divergence 1 - 1.5 mrad
Size of Laserdot <0.3mm@0.1m
Operating Distance 0.1m
Optics glass lens AR coated
Laser technology diode
Focus fixed (100mm)

Electrical Parameters

Potential of Housing isolated

Mechanical Parameters

Size Ø12x40 mm
Material aluminium
Cable length 140 mm
Output Aperture 0.5 mm
Weight 10g

(*) Over the complete operating temperature range

Features



- Operating Voltage 12V DC
- Laser Class 2
- Image processing
- Fixed focus

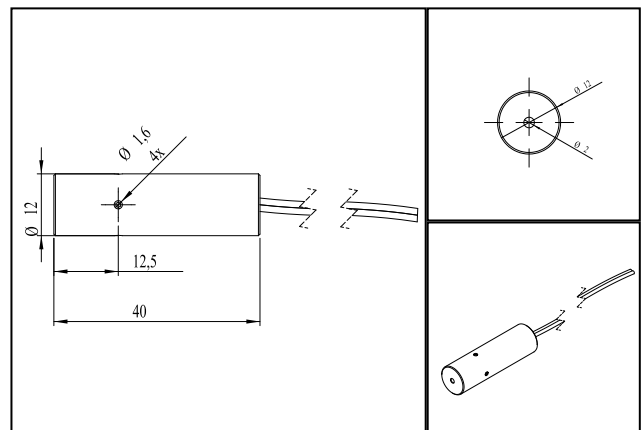
Picture



Cable color

Ground		black	GND
Positive		white	10 - 12, typ 12 V DC

Drawing



Safety Label



Valid Revision

1 | 09-JAN-2020