

Dot laser, red, 635 nm, 1 mW

DI635-1-12(12x45)-F100-AP
Order Number: 70119930

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		1		mW
Operating Voltage	11.7	12	12.3	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	1 - 1.5 mrad
Size of Laserdot	<0.3mm@0.1m
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	± 0.1 °
Focus	fixed (100mm)

Electrical Parameters

Potential of Housing	isolated
----------------------	----------

Mechanical Parameters

Size	Ø12x45 mm
Material	aluminium
Cable length	100 mm
Output Aperture	2 mm
Housing Color	silver
Weight	3.5 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Axial parallel
- Glas lenses anti reflex coated
- Small package
- Operating Voltage 12 V DC
- Laser Class 2

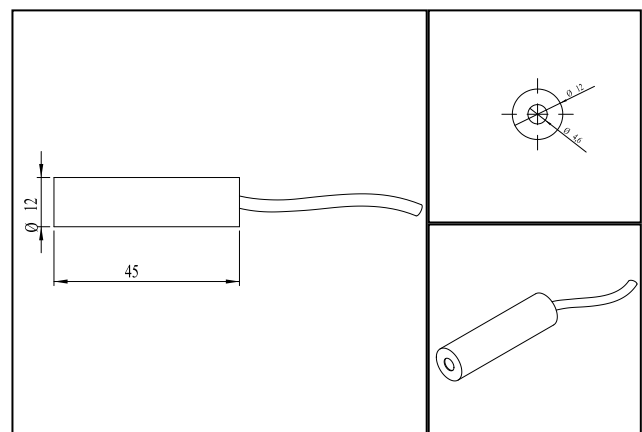
Picture



Cable color

Ground		black	GND
Positive		red	11.7 - 12.3, typ 12 V DC

Drawing



Safety Label



Valid Revision

| 03-FEB-2016