

Dot laser, red, 635 nm, 1 mW

DI635-1-12(12x45)-AP-F100
Order Number: 70120479

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
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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@100mm
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	$\pm 0.1^\circ$
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	$\varnothing 12 \times 45$ mm
Material	aluminium
Cable length	140 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	2.5 mm
Housing Color	silver
Weight	10 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

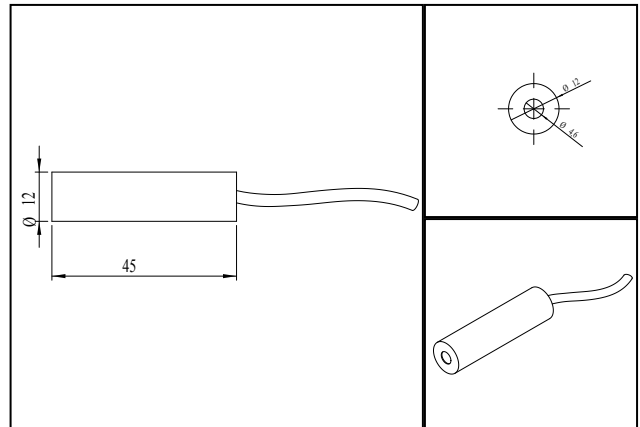
Picture



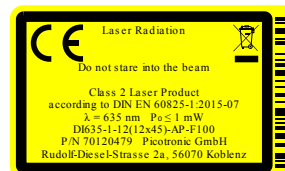
Cable color

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

Drawing



Safety Label



Valid Revision

| 29-JAN-2016