

Red Dot Lasermodule

DB635-1-3-FA(14x45)

Order Number: 70100242

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	32	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	0.3mrad
Beam Diameter	5mm
Size of Laserdot	<3..4mm@10m
Operating Distance	50m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (10000mm)

Technical Parameters

Lifetime	>5000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø14x45mm
Material	aluminium
Cable length	100mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5mm
Housing Color	black
Weight	15g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features




- Operating Voltage 3V DC
- Fixed focus
- Image processing
- Small laser head
- Laser Class 2

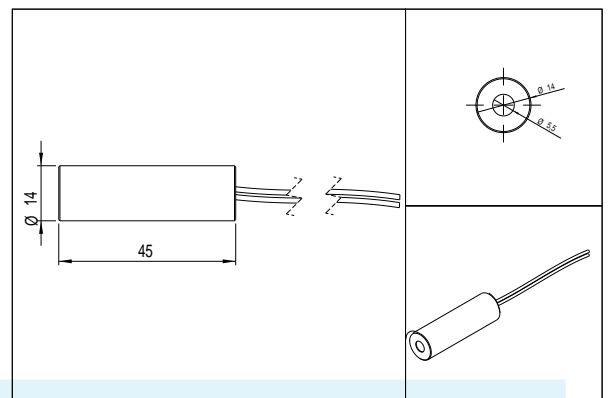
Picture



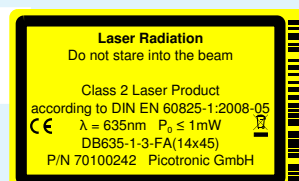
Cable Colors

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3V DC

Drawing



Safety Label



Revision

REV 5 | 21-JUL-2014