

## Red Dot Lasermodule

DB650-1-3-FA(14x45)

Order Number: 70100259

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	21	35	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	<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	Brass
Cable length	100mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5mm
Housing Color	brass
Weight	35g
Stripping of wire	5mm

(\*) Over the complete operating temperature range

### Features





- Laser Class 2
- Operating Voltage 3V DC
- Compact size
- Glas lenses anti reflex coated
- Low power consumption

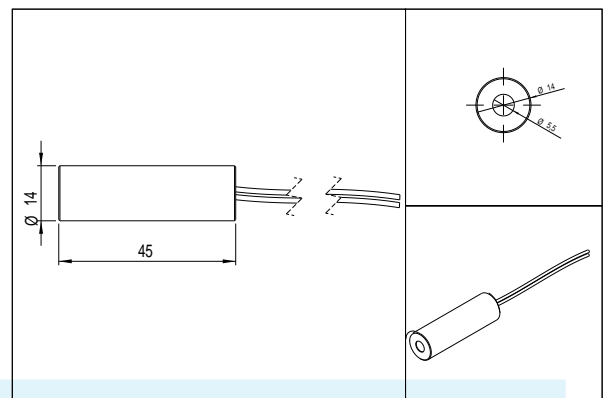
### Picture



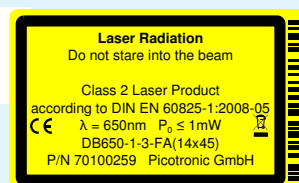
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 11 | 30-OCT-2014