

Dot laser, red, 635nm, 1mW

DI635-1-3(8x21)

Order Number: 70100563

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	25	35	75	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	1 - 1.5mrad
Beam Diameter	2mm
Size of Laserdot	<3..5mm@5m
Operating Distance	10m
Optics	glass lens AR coated
Laser technology	diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø8x21mm
Material	aluminium
Cable length	100mm
Output Aperture	2mm
Weight	3g

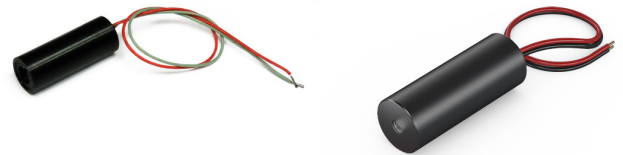
(*) Over the complete operating temperature range

Features





- Operating Voltage 3V DC
- Laser Class 2
- Compact size
- Image processing
- Fixed focus

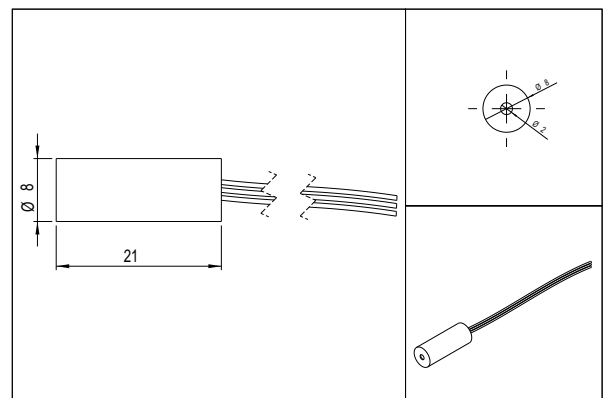
Picture



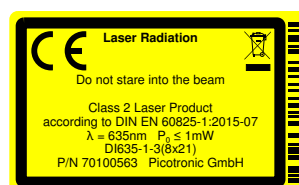
Cable Colors

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

Drawing



Safety Label



Revision

REV 4 | 29-OCT-2018