

Dot laser, red, 650nm, 1mW

LFD650-1-6(9x20)

Order Number: 70131512

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	0.5	1	1	mW
Operating Voltage	3	3	6	V DC
Operating Current	3	6	30	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>3000h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	H - 1.0mrad
Beam Diameter	3mm
Size of Laserdot	<4..5mm@5m
Operating Distance	10m
Optics	acryl lens
Laser technology	diode
Focus	collimated

Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Output Aperture	3mm
Weight	6g

(*) Over the complete operating temperature range

Features

- Optimized for 3-6V DC
- Low cost
- Laser Class 2
- Compact size
- Fixed focus

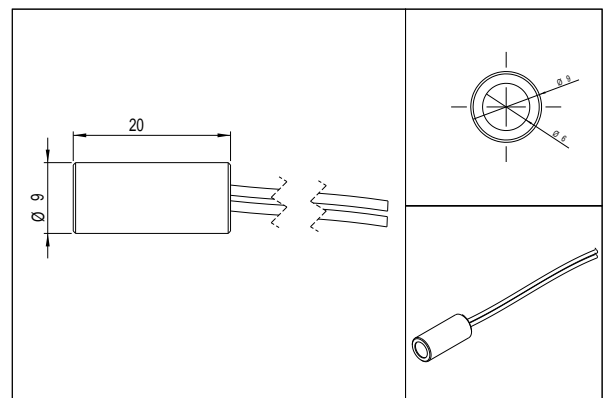
Picture



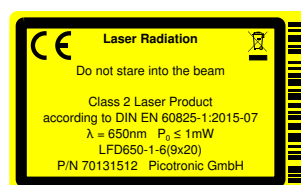
Cable Colors

Ground		black	GND
Positive		red	3 - 6, typ 3V DC

Drawing



Safety Label



Revision

| 16-MAY-2018