



Dot laser, red, 635 nm, 1 mW

Connector 2,5x5,5x9,5mm
center negative

LFD635-1-3(16X90)-F1300-NT
Order Number: 70191011

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		70		mA
Operating Temperature	-20		40	°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	D - 0.5 mrad
Size of Laserdot	<1.5mm@1.3m
Operating Distance	1.3m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed (1300mm)

Electrical Parameters

Potential of Housing	VDD(+)
Connector	2.5 mm DC plug (GND pole inner)
Power Supply	Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max,

Mechanical Parameters

Size	Ø16x90 mm
Material	aluminium
Cable length	1,400 mm
Output Aperture	5 mm
Weight	46 g

(*) Over the complete operating temperature range

Features



Picture



Safety Label



Valid Revision

| 10-NOV-2025