

Dot laser, red, 635 nm, 1 mW

DB635-1-5(16x80)-F7000
Order Number: 70140880

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power	0.7	1	1	mW
Operating Voltage	3	4	5	V DC
Operating Current	15	25	35	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	B - 0.3 mrad
Beam Diameter	5 mm
Size of Laserdot	<2..3mm@7m
Operating Distance	7 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (7.0m)

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø16x80 mm
Material	aluminium
Cable length	120 mm
Wire type	24AWG, black, 3mm
Output Aperture	5 mm
Housing Color	black
Weight	15 g
Stripping of wire	5 mm

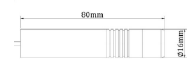
(*) Over the complete operating temperature range

Features



- Operating Voltage 4 V DC
- Fixed focus
- Image processing
- Compact size
- Laser Class 2

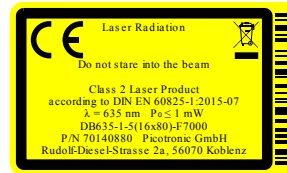
Picture



Cable color

Ground		black	GND
positive		red	3 - 5, typ 4 V DC

Safety Label



Valid Revision

| 27-MAY-2020