

Cross laser, red, 650 nm, 90 °, 1.2 mW

CB650-1.2-3(16x45)-F100
Order Number: 70100518

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1.2		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	25	40	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 Jahre
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Cross
Laser Class	1
Divergence	B - 0.3 mrad
Fan Angle	90 °
Line Thickness	<0.3mm@0.1m
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (100mm)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	50 kHz
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø16x45 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6.8 mm
Housing Color	black
Weight	23 g

(*) Over the complete operating temperature range

Features



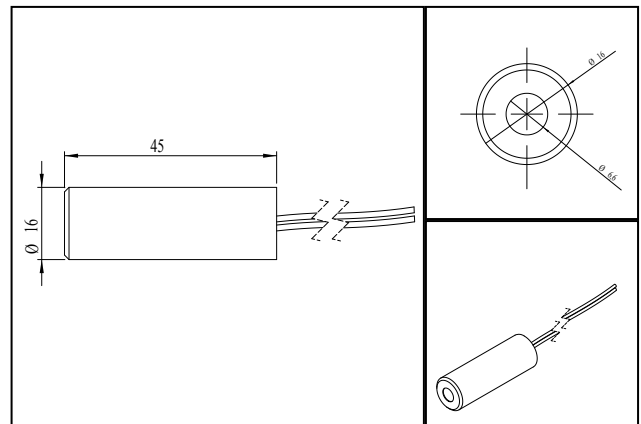
Picture



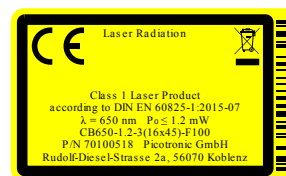
Cable color

Ground		black	GND
positive		red	2.7 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

1 | 12-AUG-2021