

Cross laser, red, 650 nm, 90°, 20 mW

MCB650-20-5(16x64)
Order Number: 70123616

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		20		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	60	80	120	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

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	<1.5mm@1.5m
Operating Distance	1.5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1500mm)
Verticality	< ±0.5°

Electrical Parameters

Potential of Housing isolated
Max. Mod. Frequency 20 kHz

Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size Ø16x64 mm
Material aluminium

Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	6.8 mm
Housing Color	black
Weight	23 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features






- Operating Voltage 5V DC
- Laser Class 1
- Low power consumption
- Modulated
- Fixed focus

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	20 kHz

Safety Label



Valid Revision

| 27-JUL-2020