

### Cross laser, red, 650 nm, 45°, 5 mW

MCB650-5-3.3(16x61)-PL  
Order Number: 70116786

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	2	5	5	mW
Operating Voltage		3.3		V DC
Operating Current	20	40	55	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	Cross
Laser Class	1
Divergence	B - 0.3 mrad
Fan Angle	45°
Line Thickness	<0.5mm@0.685m
Operating Distance	0.685 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	fixed (685mm)
Verticality	< ±0.5°

#### Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	50 kHz

#### Mechanical Parameters

Size	Ø16x61 mm
Material	aluminium

Cable length	400 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	7 mm
Housing Color	black
Weight	23 g

(\*) Over the complete operating temperature range

#### Features





- Operating Voltage 3.3 V DC
- Low power consumption
- Modulated 50kHz directly over 3
- 3V DC
- Module has only 2 wires

#### Picture



#### Cable color

Ground		black	GND
Positive		red	3.3 V DC

#### Safety Label



#### Valid Revision

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