

Dot laser, red, 650 nm, 30 mW

DB650-30-5(16x45)
Order Number: 70120042

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		30		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	70	100	200	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	Dot
Laser Class	3B
Divergence	B - 0.3 mrad
Size of Laserdot	<5mm@3m
Operating Distance	100 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

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

Mechanical Parameters

Size	Ø16x45 mm
Material	aluminium
Cable length	100 mm

Wire type	Belden, Typ 1007, 26AWG
Output Aperture	4.5 mm
Housing Color	black
Weight	20g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Image processing
- Compact size
- Laser Class 3B

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 20-OCT-2016