

Dot laser, red, 650 nm, 1 mW

DBI650-1-24-FA(12X60)-F3400-M8
Order Number: 70190007

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	23.5	24	25.5	V DC
Operating Current	1	5	15	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	B - 0.3 mrad
Size of Laserdot	<1.25mm@3.4m
Operating Distance	3.4 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (3.4m)

Electrical Parameters

Potential of Housing	isolated
Connector	CON-M8-3POL

Mechanical Parameters

Size	Ø12x60 mm
Material	aluminium
Cable length	500 mm

Wire type	22AWG, black, 3,6mm
Output Aperture	5 mm
Housing Color	black
Weight	10.5 g

(*) Over the complete operating temperature range

Features



- With M8 connector 42-00009 (3-pin)

Picture



Cable color

Positive		red	23.5 - 25.5, typ 24 V DC
Ground		black	GND

Safety Label



Valid Revision

| 11-AUG-2025