

Expander Laser, red, 650 nm, 2 mW

E650-2-3(43x175)APT30
Order Number: 70102444

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		2		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	42	55	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	expander
Laser Class	1M
Divergence	E - 0.6 mrad
Beam Diameter	30 mm
Size of Laserdot	<30mm@5m
Operating Distance	30 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (5.0m)

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø43x175 mm
Material	aluminium

Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	30 mm
Housing Color	black
Weight	190 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 1M
- Image processing
- Uniform illumination
- Fixed focus

Picture



Cable color

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

Safety Label



Valid Revision

11 | 25-MAY-2020