

Expander Laser, red, 650 nm, 12 mW

E650-12-3(43x175)APT30
Order Number: 70102420

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		12		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	50	100	150	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	3R
Beam Diameter	30 mm
Operating Distance	150 m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed

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, 0,14mm²
Output Aperture	30 mm
Weight	151 g

(*) Over the complete operating temperature range

Features



- Laser Class 3R
- Operating Voltage 3 V DC
- Image processing
- Glas lenses anti reflex coated
- Compact size

Picture



Cable color

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

Safety Label



Valid Revision

6 | 25-MAY-2020