

Dot laser, infrared, 940 nm, 1 mW

MDE940-1-5(12X40)
Order Number: 70159554

Main Parameters (*)	min	typ	max	Unit
Wavelength	935	940	945	nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	20	40	60	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		85	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	E - 0.6 mrad
Beam Diameter	2 mm
Size of Laserdot	<2mm@2m
Operating Distance	5 m
Optics	glass lens AR coated
Protection Lens	no
Focus	fixed (2000mm)

Electrical Parameters

Max. Mod. Frequency	50 kHz
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø12x40 mm
Material	aluminium
Cable length	100 mm

Wire type	28AWG
Output Aperture	2 mm
Housing Color	black
Weight	50 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- High +5V DC ON

Picture



Cable color

Positive		red	4.5 - 5.5, typ 5 V DC
Ground		black	GND
Modulation		yellow	≤ 50 kHz

Safety Label



Valid Revision

| 08-MAY-2024