

Dot laser, green, 532 nm, 1 mW

DD532-1-3(12X45)-PRO-CON
Order Number: 70154023

Main Parameters (*)	min	typ	max	Unit
Wavelength		532		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	125	250	375	mA
Operating Temperature	15		30	°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	D - 0.5 mrad
Beam Diameter	2.5 mm
Size of Laserdot	4..5mm@3m
Operating Distance	40 m
Optics	glass lens AR coated
Beam Mode	TEM00
Laser technology	Solid State (YVO4+KTP)
Stability	+/- 20% @ 15-30°C
Focus	collimated
Warm up time	< 15 min

Electrical Parameters

Potential of Housing	isolated
Connector	2.5 mm DC socket (GND pole inner)
Power Supply	Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø12x45 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	3 mm
Housing Color	black
Weight	13.5 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Fixed focus
- Laser Class 2
- Compact size

Picture



Cable color

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

Safety Label



Valid Revision

| 21-JUL-2025