

Dot laser, green, 520 nm, 1 mW

DG520-1-24-F(20X90)
Order Number: 70159462

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		1		mW
Operating Voltage	21.6	24	26.4	V DC
Operating Current	20	30	40	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
FDA registration	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	G - 0.8 mrad
Size of Laserdot	<1mm@1m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Connector	CON-M12
Power Supply	Power Supply, Output: 24V DC, Input: 100-240V AC, 50-60Hz, Output Power: 24W max. SYS 1308-2424-W2E 2,1 x 5,5 x 11 center positive

Mechanical Parameters

Size	Ø20x90 mm
Material	Stainless Steel
Output Aperture	1 mm
Weight	50 g

(*) Over the complete operating temperature range

Features



- Pin 1: VDD
- Pin 3: GND

Picture



Cable color

Positive		red	21.6 - 26.4, typ 24 V DC
Ground		black	GND

Safety Label



Valid Revision

| 06-AUG-2025