

Dot laser, blue, 405 nm, 1 mW

DDI405-1-24-F(12X45)-C500
Order Number: 70115109

Main Parameters (*)	min	typ	max	Unit
Wavelength		405		nm
Optical Output Power		1		mW
Operating Voltage	21.6	24	26.4	V DC
Operating Current	10	15	25	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
RoHS yes

Optical Parameters

Beam Shape Dot
Laser Class 2
Divergence D - 0.5 mrad
Size of Laserdot Adjustable@OperatingPoint
Operating Distance 10 m
Optics glass lens AR coated
Laser technology Single Mode Diode
Focus adjustable

Electrical Parameters

Potential of Housing isolated
Power Supply Power Supply, Output: 24V DC, Input: 100-240V AC, 50-60Hz, Output Power: 24W max.

Mechanical Parameters

Size Ø12x45 mm
Material aluminium
Cable length 500 mm

Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm
Housing Color	black
Weight	15 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



Picture



Cable color

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

Safety Label



Valid Revision

1 | 13-MAR-2026