

Doe laser, blue, 405 nm, 140 mW

DD405-140-12(15x52)-F120
Order Number: 70129960

Main Parameters (*)	min	typ	max	Unit
Wavelength	400	405	410	nm
Optical Output Power	140	140	180	mW
Operating Voltage	11	12	12.8	V DC
Operating Current	100	200	250	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		85	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	DOE
Laser Class	3B
Divergence	D - 0.5 mrad
Size of Laserdot	0.05@0.120
Operating Distance	0.12 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	< 5 %
Stability	<10%@-10°C + 60°C
Focus	fixed

Electrical Parameters

Potential of Housing	isolated
ESD Protection	yes
Stripping of cable cover	10 mm

Mechanical Parameters

Size	Ø15x52 mm
Material	aluminium
Cable length	300 mm
Wire type	26AWG, UL, isolated
Output Aperture	4 mm
Housing Color	black
Weight	33 g
Protection Class	IP 64
Stripping of wire	3 mm

(*) Over the complete operating temperature range

Features






- High Power
- Compact size
- Glass lenses anti reflex coated
- Operating Voltage 12 V DC

Picture



Cable color

Ground		black	GND
positive		red	11 - 12.8, typ 12 V DC
modulation		yellow	

Safety Label



Valid Revision

| 08-MAR-2018