

Dot laser, infrared, 850 nm, 0.7 mW

MDI850-0.7-5(8x22)
Order Number: 70123906

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power	0.6	0.7	0.8	mW
Operating Voltage	4.5	5	5.5	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 > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	l - 1.5 mrad
Size of Laserdot	3mm@5m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	VDD(+)
Max. Mod. Frequency	10 kHz

Mechanical Parameters

Size	Ø8x22 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	2.5 mm

Housing Color	black
Weight	3.5 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features






- Laser Class 1
- Operating Voltage 5V DC
- Glas lenses anti reflex coated
- Compact size

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	10 kHz

Safety Label



Valid Revision

| 30-JAN-2019