

Dot laser, infrared, 850 nm, 0.7 mW

DJ850-0.7-5(8x26)-VCSEL-HQ
Order Number: 70129915

Main Parameters (*)	min	typ	max	Unit
Wavelength	845	850	855	nm
Optical Output Power	0.6	0.7	0.8	mW
Operating Voltage	4.7	5	10	V DC
Operating Current	1	6	10	mA
Operating Temperature	10		40	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	J - 2.0 mrad
Size of Laserdot	20mm@6m
Operating Distance	6m
Optics	glass lens AR coated
Laser technology	VCSEL Diode
Axial Divergence	± 0.17°
Focus	fixed (6.0m)

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	0.1 kHz

Mechanical Parameters

Size	Ø8x26 mm
Material	aluminium
Cable length	340 mm

Wire type	22AWG, PTFE
Output Aperture	2.5 mm
Housing Color	black
Weight	5g
Stripping of wire	10 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	4.7 - 10, typ 5 V DC

Safety Label



Valid Revision

| 20-NOV-2023