

## Expander Laser, infrared, 850 nm, 0.8 mW

DJ850-0.8-5(8x26)-VCSEL  
Order Number: 70149272

Main Parameters (*)	min	typ	max	Unit
Wavelength	845	850	855	nm
Optical Output Power	0.7	0.8	0.9	mW
Operating Voltage	4.5	5	5	V DC
Operating Current	5	15	25	mA
Operating Temperature	-20		60	°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	expander
Laser Class	1
Divergence	J - 2.0 mrad
Size of Laserdot	min 10mm, typ 11.5mm, max 13mm@2m
Operating Distance	2 m
Optics	glass lens AR coated
Laser technology	VCSEL Diode
Axial Divergence	± 0.15 °
Focus	fixed (2000mm)

### Electrical Parameters

ESD Protection	yes
Max. Mod. Frequency	0.1 kHz

### Mechanical Parameters

Size	Ø8x26 mm
Material	Brass
Cable length	300 mm
Wire type	28AWG, Typ 1061, UL1061
Output Aperture	2.4 mm
Housing Color	brass
Weight	5 g
Stripping of wire	10 mm

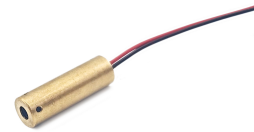
(\*) Over the complete operating temperature range

## Features





- Laser Class 1
- Operating Voltage 5 V DC
- Spotsize @ 2m: min 10mm
- Typ. 11.5mm
- Max 13mm

## Picture



## Cable color

Ground		black	GND
positive		red	4.5 - 5, typ 5 V DC

## Safety Label



## Valid Revision

| 12-MAR-2021