

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

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 2m
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	5g
Stripping of wire	10 mm

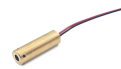
(*) Over the complete operating temperature range

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