

Expander Laser, infrared, 850 nm, 0.38°, 0.85 mW

DJ850-0.85-5(8x26)-VCSEL-HQ
Order Number: 70135367

Main Parameters (*)	min	typ	max	Unit
Wavelength	845	850	855	nm
Optical Output Power	0.75	0.85	0.85	mW
Operating Voltage	4.5	5	5	V DC
Operating Current	5	10	15	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	expander
Laser Class	1
Divergence	J - 2.0 mrad
Fan Angle	0.38°
Size of Laserdot	40mm@6m
Operating Distance	6m
Optics	glass lens AR coated
Laser technology	VCSEL Diode
Axial Divergence	± 0.25°
Focus	fixed (6.0m)

Electrical Parameters

Potential of Housing	isolated
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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 5 V DC
- Glas lenses anti reflex coated
- Compact size

Picture



Cable color

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

Safety Label



Valid Revision

| 03-FEB-2020