

Dot laser, infrared, 850 nm, 0.7 mW

DJ850-0.7-5(8x36)-VCSEL
Order Number: 70124880

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	10	15	25	mA
Operating Temperature	10		40	°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	J - 2.0 mrad
Size of Laserdot	40mm@6m
Operating Distance	6 m
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 50 kHz

Mechanical Parameters

Size	Ø8x36 mm
Material	aluminium
Cable length	340 mm
Wire type	22AWG, PTFE
Output Aperture	2.5 mm
Housing Color	black
Weight	5 g
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	4.7 - 10, typ 5 V DC

Safety Label



Valid Revision

| 23-JAN-2020