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	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

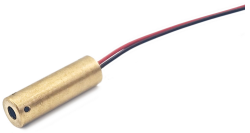
Size	Ø8x26 mm
Material	Brass
Cable length	300 mm
Wire type	28AWG, Typ 1061, UL1061
Output Aperture	2.4 mm
Housing Color	brass
Weight	5 g
Stripping of wire	10 mm

(*) Over the complete operating temperature range

Features

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

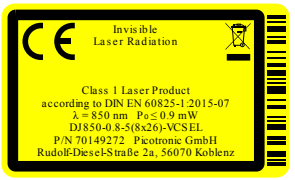
Picture



Cable color

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

Saftey Label



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