

Dot laser, green, 520nm, 1mW

DI520-1-3(8x25)-QCW-1KHZ

Order Number: 70121834

Main Parameters (*)	min	typ	max	Unit
Wavelength	515	520	525	nm
Optical Output Power		1		mW
Operating Voltage	2.4	3	3.3	V DC
Operating Current	40	50	100	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	1 - 1.5mrad
Beam Diameter	2mm
Size of Laserdot	adjustable
Operating Distance	20m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable
internal modulation frequency	1Kilohertz

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø8x25mm
Material	aluminium
Cable length	100mm
Output Aperture	3.5mm
Housing Color	black
Weight	3g
PCB	yes
PCB size	18x7x4.5mm

(*) Over the complete operating temperature range



Features



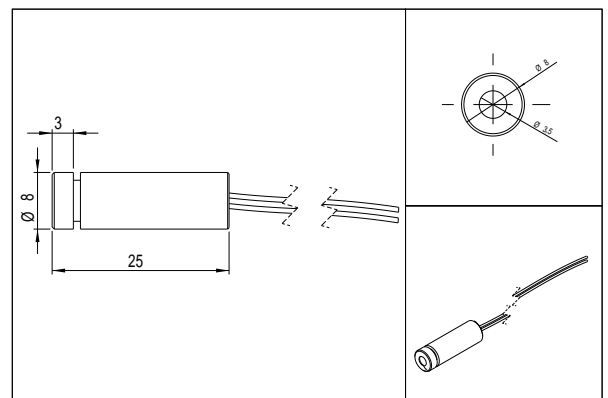
Picture



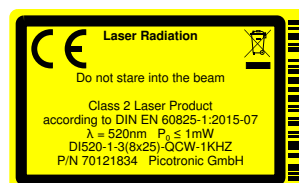
Cable Colors

Ground		blue	GND
Positive		red	2.4 - 3.3, typ 3V DC

Drawing



Safety Label



Revision

| 06-FEB-2018