

Dot laser, red, 650nm, 1mW

MI650-1-5(8x21)-AP

Order Number: 70108583

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	25	35	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	I - 1.5mrad
Size of Laserdot	<2..3mm@5m
Operating Distance	10m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	±0.1°
Focus	collimated

Electrical Parameters

Max. Mod. Frequency	200Kilohertz
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Mechanical Parameters

Size	Ø8x21mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	2mm
Housing Color	silver
Weight	1.5g
Stripping of wire	5mm

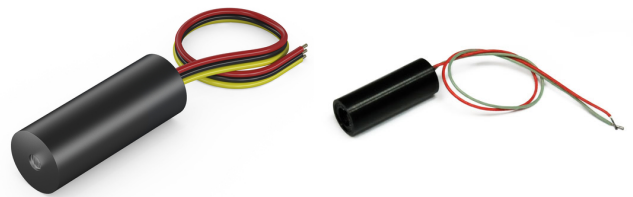
(*) Over the complete operating temperature range

Features



- Axial parallel
- Operating Voltage 5V DC
- Laser Class 2
- Compact size
- Image processing

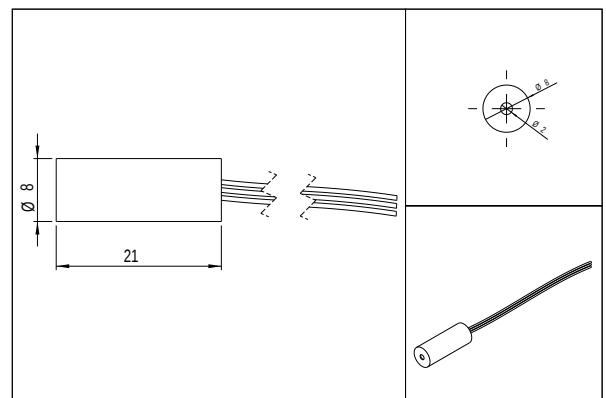
Picture



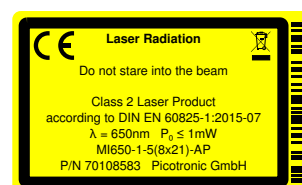
Cable Colors

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5V DC
Modulation		yellow	200Kilohertz

Drawing



Safety Label



Revision

REV 8 | 22-FEB-2015