

Red Line Lasermodule

LE650-5-3(12x32)10DEG
Order Number: 70105056

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	0.6mrad
Fan Angle	10°
Line Thickness	<1.5mm@3m
Operating Distance	10m
Optics	glass lens AR coated
Laser technology	Diode
Protection Lens	yes
Focus	fixed (3000mm)

Technical Parameters

Lifetime	>5000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø12x32mm
Material	Aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5.5mm
Weight	13.5g

(*) Over the complete operating temperature

Features





- Small fan angle
- Compact size
- Laser Class 2M
- Operating Voltage 3V DC
- Fixed focus

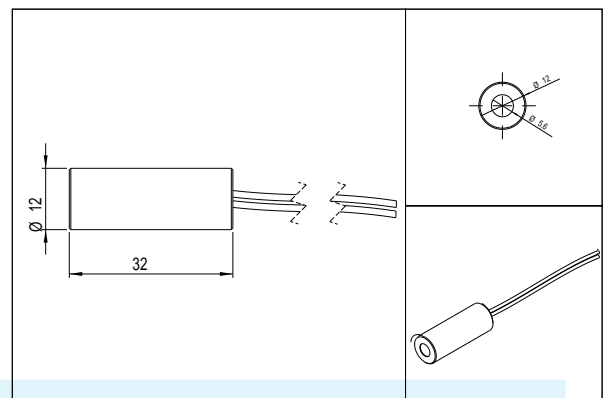
Picture



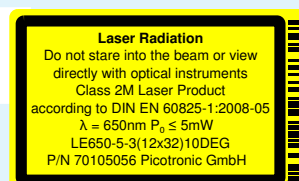
Cable Colors

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3V DC

Drawing



Safety Label



Revision

REV 21