

## Doe laser, infrared, 850nm, 5mW

DD850-5-3(12x38)-DOE

Order Number: 70114744

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		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

### Technical Parameters

Lifetime	>10000h
RoHS	yes

### Optical Parameters

Beam Shape	DOE
Laser Class	3B
Divergence	D - 0.5mrad
Operating Distance	50m
Optics	glass lens AR coated
Laser technology	diode
Focus	adjustable

### Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

### Mechanical Parameters

Size	Ø12x38mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5mm
Weight	9.5g

(\*) Over the complete operating temperature range

### Features





- Adjustable focus
- DOE optic can be changed
- Compact size
- Glas lenses anti reflex coated
- Operating Voltage 3V DC

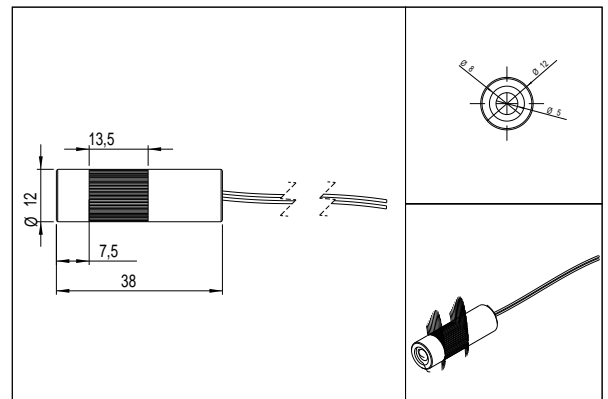
### Picture



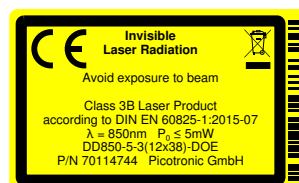
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 1 | 09-AUG-2017