

Doe laser, red, 638 nm, 60 mW

DOE280-638-60-3-F(20X100)
Order Number: 70181470

Main Parameters (*)	min	typ	max	Unit
Wavelength	633	638	643	nm
Optical Output Power	40	60	70	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	80	120	180	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	DOE
Laser Class	3R
Divergence	D - 0.5 mrad
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Connector	2.5 mm DC socket (GND pole inner)
Power Supply	Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø20x100 mm
Material	aluminium

Cable length	200 mm
Wire type	18AWG, black, 3,6mm
Output Aperture	6 mm
Housing Color	black
Weight	50 g

(*) Over the complete operating temperature range

Features



- DOE Laser
- Good visibility: 638nm
- Laser Class depends on DOE

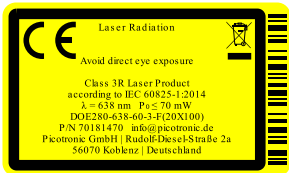
Picture



Cable color

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

Safety Label



Valid Revision

| 18-SEP-2024