

Dot laser, red, 638 nm, 60 mW

DOE-D638-60-3-F(20x100)
Order Number: 70121353

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
----------	---------

Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3B
Divergence	D - 0.5 mrad
Size of Laserdot	adjustable
Operating Distance	50 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable
Warm up time	< 15 min

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

| 06-JAN-2017