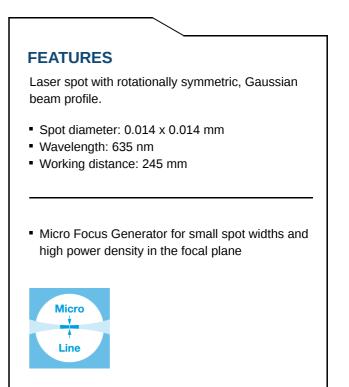
13MC-S250+95CM-635-3-B08-M60-C-6

Laser Micro Focus Generator with rotationally symmetric beam profile





DESCRIPTION

The laser diode beam source type 13MC-S250+95CM-635-3-B08-M60-C-6 produces a rotationally symmetric circular laser spot with Gaussian intensity distribution.

The laser has integrated electronics <u>type C</u> for control of the laser output power. The output power can be controlled using the <u>modulation input ports (TTL and analog)</u> or manually using the potentiometer.

The working distance can be adjusted by adjusting the focus setting. Please note that the spot diameter increases proportionally to the working distance. A fine-adjustment of the distance between laser and target is recommended for fine-focusing.

TECHNICAL DATA

13MC-S250+95CM-635-3-B08-M60-C-6

Series

13MC



DATA SHEET

Order Code	13MC-S250+95CM-635-3-B08-M60-C-6	
Line profile	Gaussian Intensity Distribution	
Wavelength	635 +5/-5 nm	
Laser output power	3 mW	
Laser safety class	3R	
Focussing range	205-410 mm	
Working distance	245 mm	
Spot height	0.014 mm	
Spot width	0.014 mm	
Rayleigh range	0.501 mm	
Diameter laser module	25/28 mm	
Module length	121.9 mm	
Installation length	396.9 mm	
Cable length	1.5 m	
Connector type	Lumberg SV50 IEC 61076-2-106	
Supply voltage	5 ± 0.2 V	
Max. current consumption	0.25 A	
Working temperature	0 - 40 °C	
Modulation inputs	Analog	TTL
Input resistance	22 kOhm	22 kOhm
Max. modulation frequency	100 kHz	100 kHz
Modulation delay ON/OFF	1/0.5 µs	2/1 µs
Rise / Fall time	3/2 µs	3/2 µs

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13MC+95CM+80.pdf

ACCESSORIES

50HD-15	Hex key WS 1.5
9D-12	Screwdriver WS 1.2
PS051003E	Power Supply 5 V



RELATED PRODUCTS

LASER MODULES	Laser Macro Focus Generator
SERIES 13MMC	Rotationally symmetric beam profile
	 Extended depth of focus
LASER MODULES	 Micro Focus Generator
SERIES LNC-13MC	Rotationally symmetric, Gaussian beam profile
	Low noise
LASER MODULES	 Micro Focus Generator
SERIES 13M	 Elliptical Gaussian beam profile
LASER MODULES	 Compact Laser Micro Focus Generator
SERIES 5MC	 Rotationally symmetric, Gaussian beam profile
LASER MODULES	 Compact Laser Micro Focus Generator
SERIES 5M	 Elliptical Gaussian beam profile
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