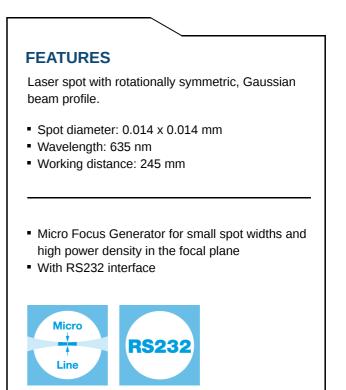
#### 13MC-S250+95CM-635-10-B07-M60-CS-7

Laser Micro Focus Generator with rotationally symmetric beam profile





# DESCRIPTION

The laser diode beam source type 13MC-S250+95CM-635-10-B07-M60-CS-7 produces a rotationally symmetric circular laser spot with Gaussian intensity distribution.

The laser has integrated electronics <u>type CS</u> for control of the laser output power and serial interface (RS232). The output power can be controlled using the <u>modulation input</u> <u>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-635-10-B07-M60-CS-7



## **DATA SHEET**

Series	eries 13MC	
Order Code	13MC-S250+95CM-635-10-B07-M60-CS-7	
Line profile	Gaussian Intensity Distribution	
Wavelength	635 +8/-8 nm	
Laser output power	10 mW	
Laser safety class	3В	
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 SV70 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	9 kOhm	9 kOhm
Max. modulation frequency	0.001 kHz	250 kHz
Modulation delay ON/OFF	3000/3000 µs	0.5/0.2 μs
Rise / Fall time	200000/200000 µs	0.8/0.4 μs
nterface RS232		RS232

### DOWNLOADS



# ACCESSORIES

50HD-15

Hex key WS 1.5

9D-12 Screwdriver WS 1.2



#### **DATA SHEET**

PS051007E	Power Supply 5 V for laser modules with RS232 interface	
RELATED PRODUCTS		
LASER MODULES SERIES 13MMC	<ul> <li>Laser Macro Focus Generator</li> <li>Rotationally symmetric beam profile</li> <li>Extended depth of focus</li> </ul>	
LASER MODULES SERIES LNC-13MC	<ul> <li>Micro Focus Generator</li> <li>Rotationally symmetric, Gaussian beam profile</li> <li>Low noise</li> </ul>	
LASER MODULES SERIES 13M	<ul> <li>Micro Focus Generator</li> <li>Elliptical Gaussian beam profile</li> </ul>	
LASER MODULES SERIES 5MC	<ul> <li>Compact Laser Micro Focus Generator</li> <li>Rotationally symmetric, Gaussian beam profile</li> </ul>	
LASER MODULES SERIES 5M	<ul> <li>Compact Laser Micro Focus Generator</li> <li>Elliptical Gaussian beam profile</li> </ul>	

This is a printout of the page <u>https://sukhamburg.com/products/details/13MC-S250\_95CM-635-10-B07-M60-CS-7</u> from 5/2/2024

#### CONTACT

For more information please contact: Schäfter + Kirchhoff GmbH Kieler Str. 212 22525 Hamburg Germany Tel: +49 40 85 39 97-0 Fax: +49 40 85 39 97-79

info@sukhamburg.de www.sukhamburg.com



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