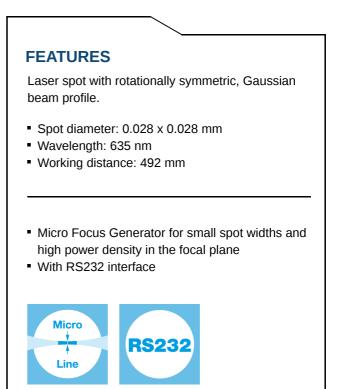
13MC-S500+95CM-635-10-B07-M60-CS-7

Laser Micro Focus Generator with rotationally symmetric beam profile





DESCRIPTION

The laser diode beam source type 13MC-S500+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-S500+95CM-635-10-B07-M60-CS-7



DATA SHEET

Series	aries 13MC	
Order Code	13MC-S500+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	410-815 mm	
Working distance	492 mm	
Spot height	0.028 mm	
Spot width	0.028 mm	
Rayleigh range	2.01 mm	
Diameter laser module	25/28 mm	
Module length	121.9 mm	
Installation length	643.9 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		

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

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