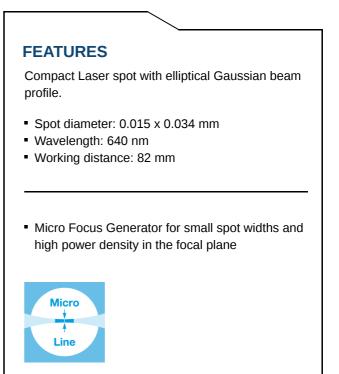
5M-S88+25CM-640-28-H22-A8-S-6

Compact Laser Micro Focus Generator with elliptical Gaussian beam profile





DESCRIPTION

The laser diode beam source type 5M-S88+25CM-640-28-H22-A8-S-6 produces an elliptical laser spot with elliptical Gaussian intensity distribution.

The laser has integrated electronics <u>type S</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

5M-S88+25CM-640-28-H22-A8-S-6

Series

5M



DATA SHEET

Order Code	5M-S88+25CM-640-28-H22-A8-S-6		
Line profile	Gaussian Intensity Distribution		
Wavelength	640 +5/-5 nm		
Laser output power	28 mW		
Laser safety class	3B		
Focussing range	70-125 mm		
Working distance	82 mm		
Spot height	0.034 mm		
Spot width	0.015 mm		
Rayleigh range	0.548 mm		
Diameter laser module	12 mm		
Module length	60.7 mm		
Installation length	172.7 mm		
Cable length	1.5 m		
Connector type	Lumberg SV50 IEC 61076-2-106		
Supply voltage	5 ± 0.25 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	50 kHz	1000 kHz	
Modulation delay ON/OFF	4/0.5 µs	0.05/0.05 μs	
Rise / Fall time	5/4 µs	0.1/0.02 μs	

ACCESSORIES

60EX-4	Eccentric key with a stroke of ± 0.5 mm.
60EX-4-L	Alternative eccentric key with long handle with a stroke of \pm 0.5 mm.
9D-12	Screwdriver WS 1.2
PS051003E	Power Supply 5 V

RELATED PRODUCTS





LASER MODULES SERIES 5MM	 Compact Laser Macro Focus Generator Circular beam profile and Extended depth of focus
LASER MODULES SERIES 13MC	 Micro Focus Generator Rotationally symmetric, Gaussian beam profile
LASER MODULES SERIES 5MC	 Compact Laser Micro Focus Generator Rotationally symmetric, Gaussian beam profile
LASER MODULES SERIES 13M	Micro Focus GeneratorElliptical Gaussian beam profile

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