

MW-POWER SUPPLY MX1250C-113KL

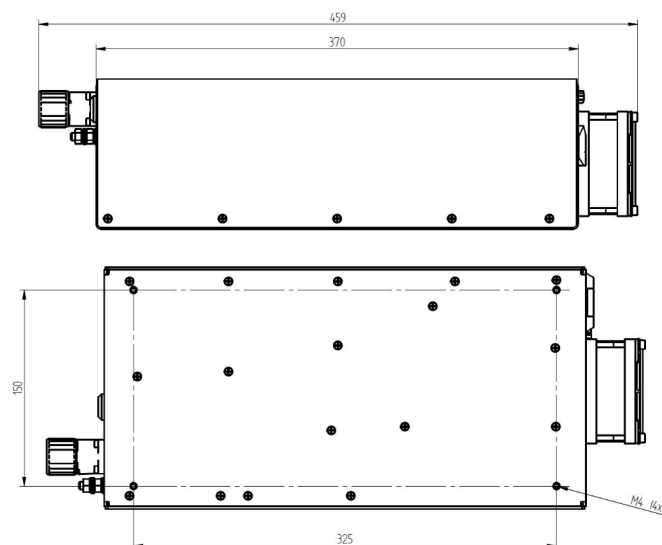
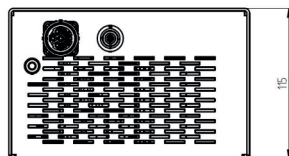
SWITCH MODE MICROWAVE POWER SUPPLY
MX-SERIES



Features

- Switch mode power supply
- Single power supply
- Suitable for 1250 W cw hf-output power
- Continuous power control (15 % - 100 %)
- Anode current control
- High efficiency
- Compact design
- Low Weight
- Air-cooled
- Over voltage, over current protection, idling-, overload- and short circuit proof
- Constant power operation
- Prepared for operation with magnetron head 1250 W cw @ 2450 MHz
- Operation with magnetron types e. g. 2M137, YJ1540
- Interfaces: PLC and CAN-Bus

Outline Dimensions (mm)



Specifications

Primary power circuit	230 V AC (- 11,5 % / + 8.5 %) L/N, 50/60 Hz, < 9 A	Assembly	Fully enclosed aluminum housing, solid encapsulated assembly
Primary control circuit	24 V DC, < 1,3 A	Dimensions	Length = 459 mm, Width = 185 mm, Height = 115 mm
Secondary power circuit	- 3900 to - 4700 V DC, - 400 mA For Microwave power: max. 1250 W cw @ 2450 MHz	Cooling	Internally air-cooled
Secondary heating circuit	230 V AC L/N, 50/60 Hz	Conditions	Ambient-Temp.: + 5 °C - + 40 °C non-condensing, Tmax. = + 40 °C < 3 h/d, Humidity: 80 % @ + 30 °C, subsequently linearly reduced to 50 % @ + 45 °C
Efficiency	Approx. 92 % at full output power	Weight	Approx. 6 kg
Interface	PLC, CAN-Bus	Connectors	15-pin Sub-D con. m. (PLC-INTERFACE/CONTROL VOLTAGE) 9-pin Sub-D con. m. (CAN-BUS-INTERFACE) 3-pin IEC con. male (LINE VOLTAGE) Circular Connector f. (MAGNETRON HEAD) HV-Connector f. (HV-OUTPUT) Stud M6 (GROUND / PE)

Recommended system components

- MH-Series magnetron head MH1250S-213BB
- Magnetron types e. g. MB2422A-160AB, MB2422A-120CF, 2M137, YJ1540
- Isolator 3 kW e. g. MW1003A-210EC