

MATRIXX MINITH RF/DC SWITCH MODULE

Meet the new MATRIXX MINI RF/DC switch module

The new **Matrixx Mini** is designed to simplify RF and DC power switching in plasma processing systems.

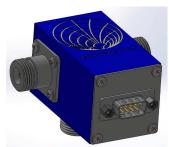
Matrixx Mini switch modules can be mounted directly at a magnetron cathode (sputtering source) to provide an easy method to switch between and RF and DC power generators. The *Mini* can also be located at the output of a power generator to enable switching between two loads.

A 9 pin male D-sub connector + (optional) high quality shielded cable provides an interface between the *Mini* and the control source.

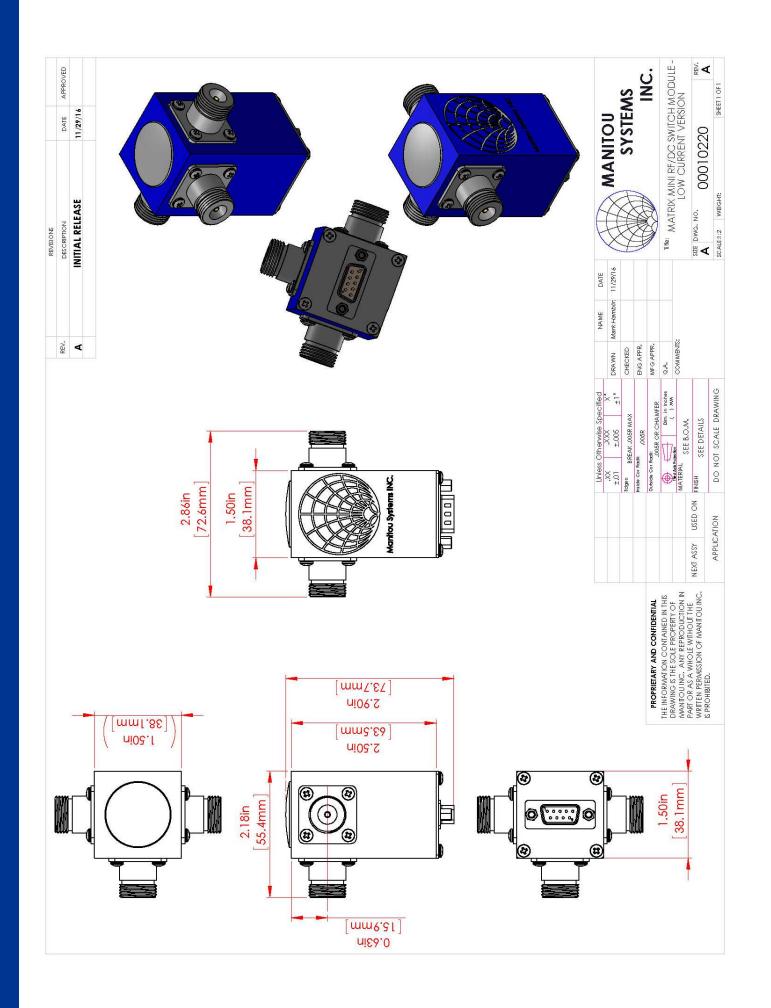
Manitou Systems offers both high current and low current models and well as versions configured with most industry standard connectors such as Types N, UHF, HN & 7-16 DIN.

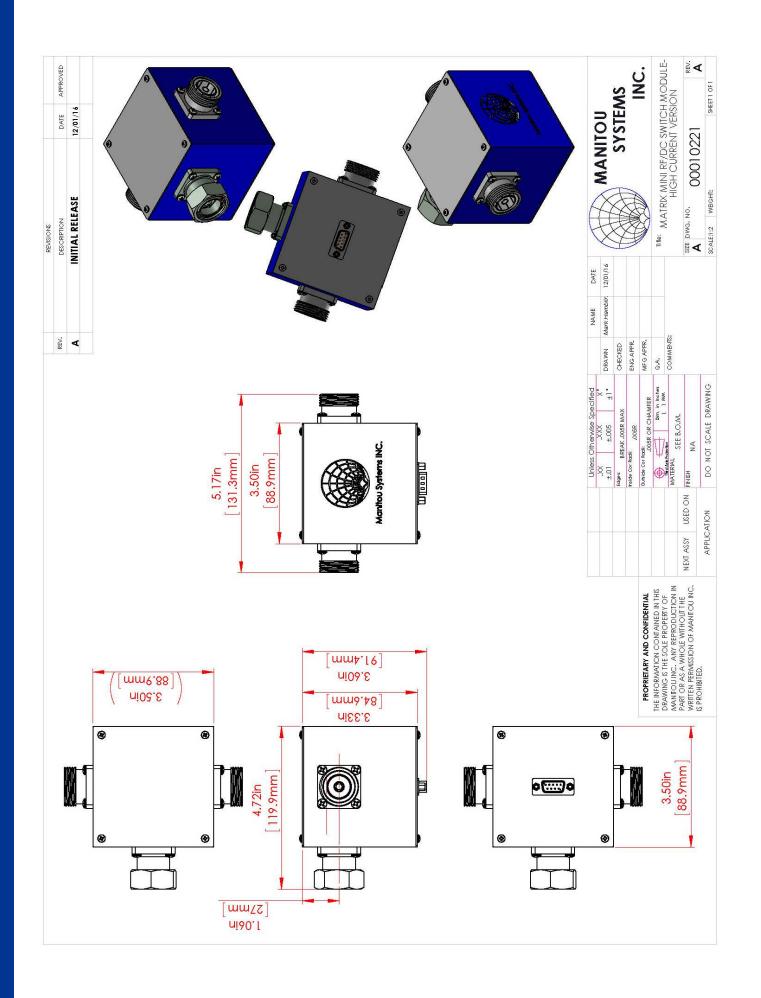
The *Mini* is compatible with all AC, DC, pulsed DC and RF (radio frequency) applications. Compensated versions are available for use at VHF and UHF frequencies.

- VR1 Low & VR3 High power versions
- D-Sub connector for connection to the control system
- Vacuum type relay for highest reliability
- OEM and Standard designs using industry standard coaxial connectors
- 24VDC operation (12VDC optional)
- Internal quench diode
- LED active indicator



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MATRIXX MINI Specifications

Operational Frequency
 30 MHz Maximum / 450MHz (compensated)

Current Rating (relay)
 Model VR1 25A AC/DC & 9A @13 MHz

Model VR3 50A AC/DC & 17A @13 MHz

Voltage Rating (relay)
 Model VR1 3.5kV AC/DC & 2kV @13 MHz

Model VR3 9kV AC/DC & 15kV @13 MHz

Note: Application ratings always continuous and limited by specific connector type.

Contact **Manitou Systems** to discuss your application.

Isolation N.O. > N.C.
 X dB @ 13MHz

Coaxial Connectors Available with types UHF, N, HN and 7/16 DIN

Control Connector
 Type D-Sub 9 male

Switching
 Cold (power off) only (NO hot switching allowed)

Ambient Temperature 40 degrees C

Maximum Humidity
 Not to exceed 80% / non-condensing

Cooling
 None required

Mounting
 Via 2X 8-32 blind threaded holes & user supplied bracket

Control Connection
 D-sub 9 male connector

LED Indicator
 Via Red LED mounted next to control connector

Physical Size
 See interface drawings

Product Weight x lbsCountry of Manufacture USA

Complementary hardware
 19 " Rack mount control panel & cables





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Technical specifications are subject to change without prior notice.
See our web site or contact us directly for the latest specifications and pricing.