

## EM-2515 | Automatic Switching Unit



### Description

The EM-2515 Automatic Switching Unit switches four input connectors between either of two output connectors from DC to 18 GHz. The unit can be operated using either the front panel controls or an external computer via the rear panel IEEE-488 Interface Bus Connector.

### Specifications

#### Electrical

**Frequency Range:** DC-18 GHz

**RF Inputs:** 4

**RF Outputs:** 2

**Insertion Loss:** 1.5 dB typical  
2.5 dB max

**Input Impedance:** 50 ohms, nominal

**Output Impedance:** 50 ohms, nominal

**VSWR (into 50 ohms):** 2.0:1 typical  
3.0:1 worst case

**Isolation (output to output):** 50 dB

**Switching Speed:** 50 ms

**Switching Life:**  $1 \times 10^6$  switches

**Maximum RF Power Input:** 50 Watt average  
@ 18 GHz 100 Watts peak

**(Maximum Pulse Width:** 10  $\mu$ s)

**RF Connectors (Input/Output):**

Precision Type N female

**Input Voltage:** 105-265 VAC, 47-440 Hz

**Power Consumption:** 12 watts (maximum)

#### Mechanical

**Length:** 180 mm (7")

**Width:** 165 mm (6.5")

**Height:** 130 mm (5")

**Weight:** 2.3 kg (5 lbs)

#### Environmental

**Operating Temperature:** 0°C to 50°C

**Storage Temperature:** -40°C to 75°C

Ref: 100405

Specifications subject to change without notice.  
Unless otherwise specified, product is manufactured in  
Johnstown, NY USA.

