

## WJ-9040 SSU226, SSU226-1 SIGNAL SELECT UNIT



### FEATURES

- Compact, Eighth-Rack Size
- Remote Controllable
- Wide Frequency Coverage

### DESCRIPTION

The SSU226 Signal Select Unit is a digitally controlled  $2 \times 6$  (or  $6 \times 2$ ) Switch Matrix with eight SMA coaxial connectors mounted in an eighth-rack WJ-9040 compatible plug-in unit. The digital control electrically switches six SPDT switches (or resistive power splitters for the SSU226-1) plus two SP6T switches.

The unit is designed to allow convenient switching of analog signals in both inter-rack and intra-rack WJ-9040 environments. Local control is via front panel pushbuttons with remote control available through the WJ-9040 IOM108 I/O module which is installed in an EFR100 Equipment Frame.

In local operation, two pushbutton switches are used to select one of six input channels to each output channel. An LED above each switch indicates the input selected (1 through 6). The unit's software prohibits selection of the same input channel to both output channels (allowed in "-1" version). Remote operation through the IOM108 is activated by the RMT pushbutton on the front panel. In this mode, the front panel channel select pushbuttons are disabled.



## SPECIFICATIONS

### SSU226

Frequency.....	DC to 1.4 GHz
VSWR.....	2.0:1
Insertion Loss.....	≤2 dB
Isolation.....	70 dB minimum
Power Handling.....	1 watt
Switching Speed.....	20 ms
Power Consumption.....	5 watts approximately
Operating Temperature.....	0 to 50°C
Size.....	5.2 inches (132.08 mm) high, 2.0 inches (50.80 mm) wide, and 14.4 inches (365.76 mm) deep
Weight.....	6 pounds (2.75 kg) approximately

### SSU226-1

Frequency.....	1 MHz to 200 MHz
VSWR.....	2:1
Insertion Loss.....	8 dB
Isolation.....	70 dB minimum
Power Handling.....	0.125 watt
Switching Speed.....	20 ms
Power Consumption.....	5 watts approximately
Operating Temperature.....	0 to 50°C
Size.....	5.2 inches (132.08 mm) high, 2.0 inches (50.80 mm) wide, and 14.4 inches (365.76 mm) deep
Weight.....	6 pounds (2.75 kg) approximately