



# 4091A

## 1U RF Autosense Fault Switch and Distribution Amplifier

### KEY FEATURES

- Redundant HOT SWAP Power Supplies
- 1-20 MHz Operation
- Eight Signal Outputs
- Manual Override
- Remote Control via Ethernet

The 4091A is a 1U rackmount fault sense switch that accepts two RF inputs and produces eight outputs (chosen from the two inputs). The unit comes standard with a single HOT SWAP AC power supply and can be configured with redundant HOT SWAP AC or DC power supplies. It has LED indicators that display the selected input as well as a control switch that is used to manually operate the switch or place the switch in "auto" mode. When in "auto" mode, the unit automatically switches upon failure of the selected input. In addition to front panel control, the unit can be controlled remotely via the Ethernet port on the rear of the unit.



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## 4091A Specifications

### ELECTRICAL SPECIFICATIONS

- RF Input (2)
  - Frequency: 1 - 20 MHz
  - Level: 1 V RMS nominal into 50Ω
  - Connectors: BNC female
  - Control: Locking Toggle
- RF Output (8)
  - Connectors: BNC female
  - Gain: 1.0 +/- 10%
  - Harmonics: <-40 dBc
  - Spurious: <-80 dBc
- SSB Phase noise
  - 1 Hz -135 dBc
  - 10 Hz -145 dBc
  - 100 Hz -155 dBc
  - 1 kHz -163 dBc
  - 10 kHz + -163 dBc
- Control & status
  - Switch between inputs
  - Set to autoswitch on input failure
  - Signal presence on all inputs and outputs
  - Green/Red LEDs on Front Panel
  - Network (RJ-45 connector)

### ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

- Temperature: 0°C to 40°C
- Humidity: 0 to 95% non-condensing
- Power requirements (AC Input): 90 – 264 V AC, 10W, 47 – 63 Hz
- Dimensions: 1U [-1.75" (4.44cm) x 19" (48.26cm) x 12" (30.48cm)]
- Weight: 12 lbs (5.40 Kg)

### OPTIONS

- Redundant AC Power Supply
- Redundant DC Power Supply



Rear View



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