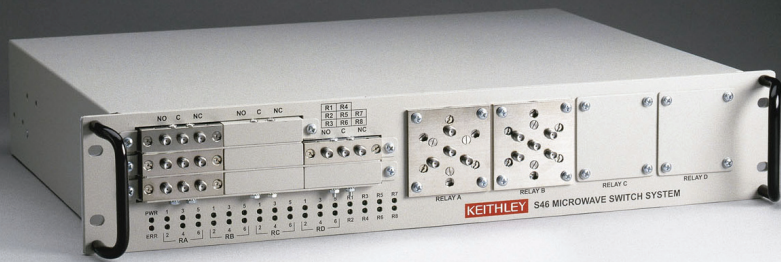


# S46-CUSTOM

# Custom System 46 Solutions

Custom S46 with Terminated RF/microwave switches



If the standard S46 Switch System does not meet your switching needs, you can have a system designed to your specific requirements. These custom designs can support up to 32 switching channels and bandwidths as high as 40GHz.

The Custom System 46 is built around the standard System 46's controller and usually includes a power supply, GPIB port, and relay status LEDs. Custom configurations can include: RF signal conditioning, internally mounted switches, terminated and/or unterminated switches, and matrix or multiplexer configurations. Keithley's Application Engineers will work with you to determine the optimum components for your system.

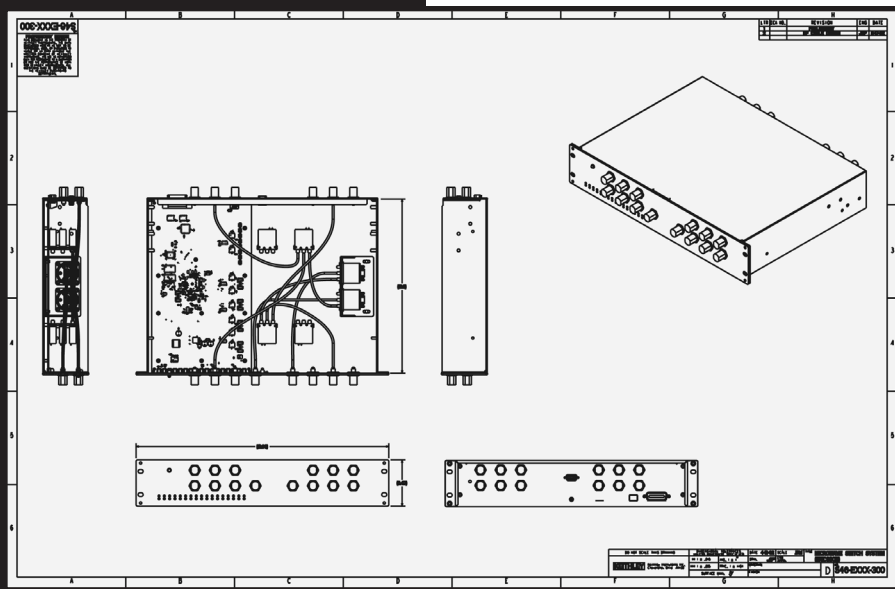
RF/microwave switch systems with up to 40GHz bandwidth

- 32 channel custom RF/microwave switching system
- Simple control with built-in GPIB/IEEE-488 interface bus
- 2U high, compact package

## Custom Configuration Options

Our custom configurations make it easy for you to specify the right system for your application without the expense of unnecessary switches or other features. A few typical customization options include:

- Variety of switching bandwidths, such as 18GHz, 26.5GHz, and 40GHz
- Internally terminated switches
- Custom-designed internal switch/component modules
- 75Ω switches
- Wide variety of RF/microwave signal conditioning components:
  - Attenuators, program attenuators, limiters
  - Isolators, circulators
  - Couplers, power splitters/dividers/combiners
  - Filters, duplexers
  - Amplifiers
  - Shorts, loads
  - Bias tees
- Bulkhead connector options
- Low-loss microwave cables
- Front or rear panel connections



Custom S46 with internally mounted RF/microwave switches

## Ordering Information

For custom systems, contact your local Keithley representative.

## APPLICATIONS

- Cellular and cordless phones
- Specialized mobile radios
- Base stations
- Specialized antenna systems
- RF components, including RFICs
- Wireless peripherals, including Bluetooth devices
- Broadband wireless transceivers
- High speed digital communications, including SONET speeds 3Gbps and 10Gbps

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A GREATER MEASURE OF CONFIDENCE

RF/MICROWAVE SWITCHING AND MEASUREMENT