

7061

- Circuit prototyping
- Access to relay drive lines
- Extender cable

Ordering Information

7061 Universal Adapter Card

7062 7063



- 500MHz bandwidth
- BNC connectors
- Two independent 1 of 5 switches

Ordering Information

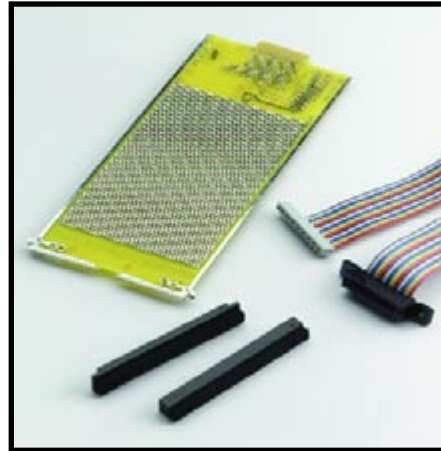
7062 RF Switch Card

7063 RF Switch Card with Terminations

1.888.KEITHLEY (U.S. only)

www.keithley.com

Universal Adapter Card



The Model 7061 was designed with a 6-volt supply, ground trace, and a grid pattern of plated-through holes on 0.1 inch centers for mounting special relays or circuits. Relay drive lines from the scanner mainframe can be used for control. A supplied ribbon cable assembly extends the relay drive lines beyond the enclosure for easy access to relay cards for troubleshooting.

RELAY DRIVE LINES: 350mA sink.

HARDWARE SPACE: 15/16 inch, maximum height a component can protrude from the universal adapter card and fit in the 7001 or 7002 mainframe.

HOLE SIZE: 0.062 inch diameter.

HOLE SPACING: 0.1 inch centers

RIBBON CABLE: 2 ft length with connectors preassembled.

STRAIN RELIEF CLAMP: Assembly provided.

OPERATING CODES: Provided in manual.

500MHz RF Switching Cards

Model 7062, 50 Ω unterminated

Model 7063, 50 Ω terminated (on unselected inputs)

The 7062 and 7063 have two independent 1 of 5 switches. Each switch has a separate through connection that can be used to cascade sections to achieve larger scanning configurations in multiples of five. The switched transmission line design maintains the 50 Ω characteristic through the switch, minimizing reflection and loss. This approach results in reduced capacitance and better frequency response. The 7063 inputs are terminated in the 50 Ω characteristic impedance when not selected. A 500MHz bandwidth assures signal integrity over a broad range from DC to communications signals and digital waveforms. Coaxial switching provides additional shielding and noise immunity in the system environment.

SWITCHES PER CARD: 2 (with isolated grounds).

CHANNELS PER SWITCH: 5.

SWITCH CONFIGURATION: 1-pole, 5 throw.

EXPANSION: A through connector is provided for cascading switches.

CONNECTOR TYPE: BNC.

RELAY DRIVE CURRENT: 100mA per relay typical.

ACTUATION TIME: 10ms exclusive of mainframe.

RELEASE TIME: 5ms.

CHARACTERISTIC IMPEDANCE: 50 Ω .

TERMINATIONS: 7062: None. 7063: 50 Ω on unselected inputs.

PROPAGATION DELAY: <2ns.

INSERTION LOSS: <0.1dB below 20MHz, <1.0dB below 250MHz, and <3.0dB below 500MHz.

ISOLATION CHANNEL (switch to channel): >75dB below 20MHz, >55dB below 250MHz, and >60dB below 500MHz.

ISOLATION (switch to switch): >80dB below 20MHz, >70dB below 250MHz, and >60dB below 500MHz.

MAXIMUM SIGNAL LEVEL: 24V on Model 7062, 5V on Model 7063, switched; 50mA; 0.5 watt switched.

CONTACT LIFE: >10⁶ closures cold switching; >10⁵ closures at maximum signal levels.

CONTACT RESISTANCE: <2 Ω input to output.

CONTACT POTENTIAL: <20 μ V.

ACCESSORIES AVAILABLE

7051-2	BNC Male to BNC Male Cable, 2ft.
7051-5	BNC Male to BNC Male Cable, 5ft.
7051-10	BNC Male to BNC Male Cable, 10ft.