

FEATURES & BENEFITS

Single Pole-Double Throw (SPDT) design

Compact size

Surface mount, lead free

Low VSWR and insertion loss DC-3 GHz

APPLICATIONS

Telecommunications Systems

Wireless Access Cards (EvDO and EvDV)



Manual RF Switch

Amphenol RF's manually actuated switches are PCB surface mount single pole double throw switches used to transfer one source signal between two outputs. The normally closed "internal output" is a PCB trace. The normally open "external output" is a connector interface. In its normally closed state, the switch directs the source signal to the internal output. When a connector is mated to the switch, the source signal is transferred to the external output. The signal returns to the internal output when the "external output" connector is unmated from the switch. At DC to 3 GHz and up to 1,500 cycles, the VSWR is 1.4 Maximum.

Specifications

Electrical

Impedance	50 Ω
Frequency Range	DC - 3 GHz
Dielectric Withstanding Voltage	250 VRMS, Min.

Mechanical

Temperature Range	-40° C to 110° C
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Material

Body	brass, gold plating (.000010 min. thick)
Female Contact	beryllium copper, gold plating (.000030 min. thick)
Pin Contact	phosphor bronze, Gold Plating (.000030 min. thick)
Outer Contact	phosphor bronze or beryllium copper, nickle plating (.000100 thick)

