**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)

Manually Actuated RF Switches
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

**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)

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![Diagram of MMCX Switch and RF Switch](image-url)