

# Electromechanical Switches up to 50 GHz



## TECHNICAL SPECIFICATIONS

- **Frequency range**  
DC to 50 GHz
- **Switch configurations**  
SPST (Single Pole Single Throw) and SP18T (Single Pole 18 Throw) topologies
- **Connector options**  
SMA, 2.92mm, 2.4mm, N-type, SC, 7/16 DIN, 4.3/10, and TNC interfaces
- **Architecture**  
Electromechanical relay-based design for high reliability and repeatability
- **Power handling**  
Optimized for high-power signal routing applications
- **Switching performance**  
Fast mechanical actuation with low insertion loss and return loss characteristics

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## APPLICATIONS

5G/6G Infrastructure: Base station antenna switching and signal distribution networks

SATCOM Systems: Satellite uplink/downlink path selection and redundancy management

Defense Electronics: Radar and electronic warfare equipment requiring programmable RF routing

Test & Measurement: Automated measurement systems for component characterization up to mmWave frequencies

Research & Development: Laboratory equipment and prototype testing applications