



RLC Electronics, Inc.

SP11T/12T Switch For Launch Vehicle Applications



The SP11T Terminated Switch is a high-reliability RF coaxial switch engineered specifically for the demanding environments encountered in modern launch vehicle systems. Designed to provide precise signal routing with exceptional isolation and insertion loss, the SP11T configuration enables a single RF input to be selectively connected to one of eleven terminated output paths, ensuring unused channels remain properly matched and protected from unwanted reflections.

Built for aerospace and defense applications, the switch is optimized for operation in harsh launch conditions including extreme vibration, mechanical shock, rapid thermal transitions, and high-altitude environments. The SP11T switch supports broadband RF and microwave frequency ranges with low insertion loss and high repeatability, making it ideal for mission-critical signal distribution and redundancy management.