

LT-SWCP4T

Terminated Coaxial Switch

The LT-SWCP4T is a high-performance RF coaxial switch designed for applications requiring wide bandwidth and precision. Supporting frequencies from DC up to 18GHz, it delivers low insertion loss, high isolation, and exceptional repeatability. Ideal for use in SATCOM, aviation, military and commercial telecom systems, medical imaging, and automated test equipment (ATE), this switch ensures reliable signal routing in demanding environments.

Key Features

- Wide frequency range: DC to 18GHz
- Low insertion loss for optimal signal integrity
- High isolation to minimize crosstalk
- Excellent repeatability for consistent performance
- Compact and rugged design for demanding environments

Key Highlights

- Supports high-speed switching with minimal delay
- Precision-machined RF connectors ensure long-term durability
- Compatible with various control configurations (TTL, USB, etc.)
- Designed for extended operational life and high switch cycles
- Operates reliably across wide temperature ranges

Applications

- Routes RF signals between multiple antennas, transmitters, or receivers
- Ideal for test labs, RF communication systems, and signal monitoring setups
- Suitable for broadcast, satellite, and defense applications



Specifications

LT-SWCP4T	
Frequency Range	DC-18 GHz
Input Power	1 (CW)
Switching time	20 ms
Repeatability	0.05 (dBKMax)
Operating Life	2 M cycles
Connector Type	SMA(f)
DC Drive Voltage	+20~+28
DC Drive Current	200mA
LT-SWCP4T	
SWR (Max)	1.1 (DC~4GHz)
	1.2 (4~12.4GHz)
	1.5 (12.4~18GHz)
Insertion Loss dB (Max)	0.2 (DC~4GHz)
	0.4 (4~12.4GHz)
	0.5 (12.4~18GHz)
Isolation (dB) (Min)	80 (DC~4GHz)
	70 (4~12.4GHz)
	60 (12.4~18.5GHz)

