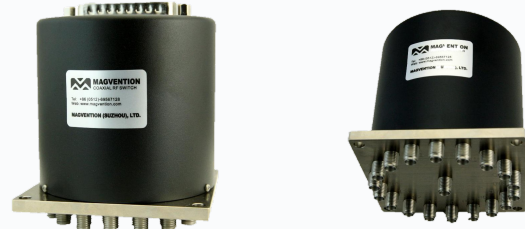




DC – 67 GHz · COAXIAL SWITCHES · SPDT TO SP18T · 65 PATENTS · DEFENSE

Magvention is a Chinese specialist manufacturer of RF coaxial switches and micro-magnetic relays. Since 2008, the Suzhou-based company has developed high-quality electromechanical switches covering frequencies up to 67 GHz, holds over 65 patents in China and the USA, and delivers bespoke solutions with rapid design-to-production cycles. bq-microwave is the European distributor.



Product Portfolio

SPDT

DC – 67 GHz

Connectors: SMA · K · 2.4mm · 1.85mm · N · TNC · SC · 4.3-10 · 7-16

DPDT

DC – 50 GHz

Connectors: SMA · K · 2.4mm · N

2P3T

DC – 50 GHz

Connectors: SMA · K · 2.4mm

SP4T

DC – 18 GHz

Connectors: SMA · N · SC · 7-16

SP6T

DC – 50 GHz

Connectors: SMA · K · 2.4mm · N · SC · TNC · 4.3-10

SP8T

DC – 40 GHz

Connectors: SMA · K · N · SC

SP10T

DC – 26.5 GHz

Connectors: SMA · K

SP12T

DC – 18 GHz

Connectors: SMA · N

SP18T

DC – 3 GHz

Connectors: SMA

Strengths at a glance

65 Patents

Proprietary patents in China and the USA — over 15 years of R&D in RF coaxial switches and micro-magnetic relays.

ISO 9001 / 14001

Certified quality and environmental management processes. High-Tech Enterprise and Suzhou Engineering Technology Research Centre.

Short Lead Times

Rapid design-to-production cycles, bespoke solutions, and consistently high delivery reliability.

Up to 67 GHz

Industry-leading frequency range with MC1-V (1.85mm connector). Portfolio from DC to millimetre-wave under one roof.

High Lifecycle

Standard 1 – 3 million switching cycles, up to 5 million with "h" option. Tested to 10G RMS vibration and 50G shock.

Complete Range

SPDT to SP18T with all relevant connectors — from SMA to 7-16 (DIN). Including matrix systems.

Industries & Use Cases

Test & Measurement

Automated test benches, signal routing, calibration stations, and ATE systems up to 67 GHz.

AI & High-Speed Testing

Rapidly growing sector — Magvention supplies leading AI test platforms with high-precision switches.

Defence & Aerospace

Radar and EW systems, military communications, avionics. Extended Temperature ("e") for harsh environments.

SATCOM

Ground stations, antenna routing, backup switching. High-power variants for high transmit power.

5G / 6G & Mobile Networks

Base station testing, antenna selection, mmWave applications with 4.3-10 and 7-16 (DIN) connectors.

Research & Industry

Universities, research laboratories, industrial automation, and laboratory applications. Custom matrix solutions.



Available through bq-microwave

bq-microwave is the authorized European distributor for Magvention. Fast procurement, short lead times and personal technical consultation.

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