

KEYSIGHT TECHNOLOGIES (AGILENT HP)

87104C

The Keysight 87104C is a high-performance, terminated SP4T (Single Pole Four Throw) electromechanical coaxial switch operating from DC to 26.5 GHz. Designed for automated test and measurement systems, it provides exceptional RF repeatability of 0.03 dB over a guaranteed 5 million cycle operating life, maintaining high signal integrity with low insertion loss and high isolation.

SPECIFICATIONS

Physical

Operating Temperature	-25 to +75 °C °C
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RF Specifications

Frequency Range	DC to 26.5 GHz
Nominal Impedance	50 Ω
RF Repeatability (Maximum)	0.03 dB

Mechanical & Physical Specifications

Configuration	SP4T (Single Pole Four Throw)
Actuator Type	Latching
Termination Style	Terminated (unused ports terminated in 50 Ω internally)
Internal Termination Power Rating	1 W CW, 50 W peak
Switching Speed (Maximum)	15 ms
Switching Life (Minimum)	5,000,000 cycles

Environmental Specifications

Operating Temperature Range	-25 °C to +75 °C
Storage Temperature Range	-55 °C to +85 °C
Shock (Operating)	50 g, 6 ms half-sine
Shock (Non-operating)	500 g, 1.8 ms half-sine
Operating Altitude	4,600 meters (15,000 feet)
Storage Altitude	15,300 meters (50,000 feet)
Relative Humidity	95% RH at 40 °C for 5 days

Ordering & Configurable Options

Coil Voltage Option 024	24 VDC nominal operating voltage
Coil Voltage Option 011	5 VDC nominal operating voltage
Coil Voltage Option 015	15 VDC nominal operating voltage

Options

Calibration Option	Option UK6 (commercial calibration certificate with test data)
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TECHNOLOGY

Electromechanical Coaxial Switch

APPLICATIONS

RF & microwave signal routing, automated test equipment (ATE)

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.