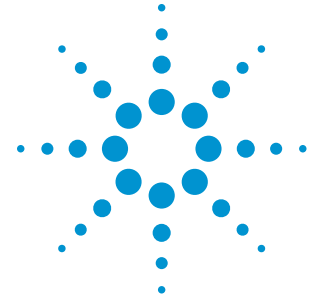


Agilent High Performance Electromechanical SPDT Switches

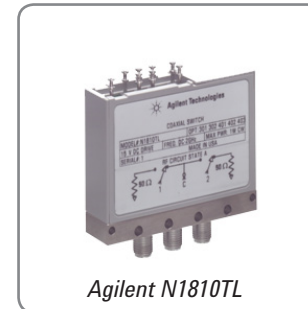


Agilent's high-performance electromechanical coaxial switches provide reliable switching in signal routing, switch matrices and ATE systems.

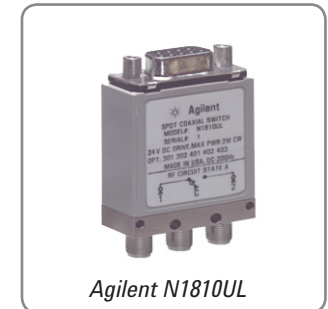
With 0.03 dB insertion loss repeatability at 40 GHz guaranteed up to 5 million cycles (10 million cycles typical) and exceptional isolation, Agilent high-performance switches provide the performance you need from DC to 67 GHz.

Superior performance with guaranteed specifications to 67 GHz

- **Guaranteed performance**
< 0.03 dB insertion loss repeatability at 40 GHz guaranteed for 5 million cycles
- **Long operating life**
10 million cycles (typical)
- **High isolation**
Typically > 70 dB at 67 GHz
- **Broad frequency range**
DC to 4, 20, 26.5, 40, 50 and 67 GHz



Agilent N1810TL



Agilent N1810UL



Quick Fact Sheet

Agilent High Performance Electromechanical SPDT Switches

Product specifications

Model	Frequency (GHz)	Termination	Average power (W)	Peak power (W)	Isolation (dB)	Insertion loss (dB)	SWR	Speed (ms)	Life cycle (million)	Driving voltage (Vdc)	RF connectors
N1810TL	DC to 67	Terminated	1	50	70	1.12	1.9	15	5	5, 15, 24	SMA (f), 2.92 mm, 2.4 mm, 1.85 mm
N1810UL	DC to 67	Unterminated	1	50	70	1.12	1.9	15	5	5, 15, 24	SMA (f), 2.92 mm, 2.4 mm, 1.85 mm

High performance SPDT option

Model	Option type	Option	Option description
N1810TL/ N1810UL	Frequency range	004	DC to 4 GHz
		020	DC to 20 GHz
		026	DC to 26.5 GHz
		040	DC to 40 GHz
		050	DC to 50 GHz
		067	DC to 67 GHz
	Coil voltage	105	5 Vdc and includes Option 402
		115	15 Vdc
		124	24 Vdc
	DC connector	201	D-submini 9 pin (f)
		202	Solder lugs
	Performance	301*	High isolation
		302*	Low SWR and insertion loss
		UK6	Calibration certificate with test data
Drive	401	TTL/5V CMOS compatible	
	402	Position indicator	

* Not available for option 040, 050 and 067.

For more details on the Agilent EM switches and ordering information see the "Agilent RF and Microwave Switch Selection Guide", literature number 5989-6031EN

For more information on Agilent switches, please visit www.agilent.com/find/switches

Download or order from www.agilent.com/find/mta

To find a distributor in your area, go to www.agilent.com/find/distributors

Recommended service options

Additional two years of Return-to-Agilent warranty
 Additional two years of Return-to-Agilent calibrations
 For more information, go to www.agilent.com/find/removealldoubt

