

Sliding Shorts

High Precision

Features

- ▶ 0.9 to 18.0 GHz
- ▶ Precision Air Lines
- ▶ Dedicated Connectors



2604A

Specifications

Frequency Range See Available Models Chart
 VSWR (excluding transmission line loss) 100:1 minimum
 Impedance 50 ohm ±0.3%
 Travel > 1/2 wavelength at the lowest rated frequency

Description

These models are movable shorts with dedicated connectors in precision air lines. The inherent low reflection and accurate transmission line of these instruments, coupled with efficient beryllium copper inner and outer conductor contacting fingers, provide an excellent short circuit. The travel of the shorting plane of these instruments is at least 1/2 wavelength at the lowest rated frequency to permit reversal of the reflection phase.

Available Models

MODEL	FREQUENCY RANGE (GHz)	CONNECTOR	AIR LINE ACCURACY ¹
1959A	1.8 – 18.0	SMA female	56 dB
1959B	1.8 – 18.0	SMA male	
2604A	0.9 – 18.0	7mm	

¹ Equivalent return loss of the air line impedance (50 ohm ref.)

General Purpose Sliding Shorts

Model Series 1909 and 1978

Specifications

Frequency Range See Available Models Chart
 Impedance 50 ohm
 Travel 1/2 wavelength at the lowest rated frequency
 Connectors See Available Models Chart



1978D1

Available Models

MODEL	FREQUENCY RANGE (GHz)	CONNECTOR	SHORT TRAVEL (in.)	LENGTH CLOSED (lin.)
1909A1	0.2 – 0.5	SMA female	30.0	32.6
1909A2	0.2 – 0.5	SMA male	30.0	32.6
1909B1	0.4 – 1.0	SMA female	15.0	17.6
1909B2	0.4 – 1.0	SMA male	15.0	17.6
1909C1	0.8 – 4.0	SMA female	7.5	10.1
1909C2	0.8 – 4.0	SMA male	7.5	10.1
1909D1	2.0 – 12.0	SMA female	3.0	5.6
1909D2	2.0 – 12.0	SMA male	3.0	5.6
1978A1	0.2 – 0.5	Precision N female	30.0	32.6
1978A2	0.2 – 0.5	Precision N male	30.0	32.6
1978B1	0.4 – 1.0	Precision N female	15.0	17.6
1978B2	0.4 – 1.0	Precision N male	15.0	17.6
1978C1	0.8 – 4.0	Precision N female	7.5	10.1
1978C2	0.8 – 4.0	Precision N male	7.5	10.1
1978D1	2.0 – 12.0	Precision N female	3.0	5.6
1978D2	2.0 – 12.0	Precision N male	3.0	5.6