

# AIRLINES

18, 19 Series 2 to 40 GHz



18N50



18A50



19S50

The 18 and 19 Series Precision Airlines are the most accurate impedance standards available today, and they are the recognized traceability path for impedance at high frequencies. Anritsu airlines are a critical component when measuring accurate impedances, enabling measurements down to 1.006 SWR to 18 GHz, 1.01 SWR to 26.5 GHz, and 1.02 SWR to 40 GHz.

A beadless connector is used at the measurement end to provide a minimum reflection connection. The other end is beaded to keep the center conductor captive, thus fixing the reference plane at the beadless end.

## Features

- Plating is gold over nickel
- Provide impedance traceability to NIST
- Enable measurements down to 1.006 SWR to 18 GHz, 1.01 SWR to 26.5 GHz, and 1.02 SWR to 40 GHz

## Specifications

Model	Frequency range (GHz)	Test port connector	Beaded port connector	SWR (test port)	Dimensions L(cm) x dia(cm)
18A50	0.5 to 18	GPC-7	GPC-7	1.003	30 x 0.7
18N50 18NF50	0.5 to 18	N(m) N(f)	GPC-7	1.006	30 x 0.7
19S50 19SF50	0.8 to 26.5	WSMA(m) WSMA(f)	WSMA(m)	1.006 to 18 GHz 1.010 to 26.5 GHz	25 x 0.35
19K50 19KF50	0.8 to 40	K(m) K(f)	K(m)	1.020	15 x 0.29

Temperature range: +25°C ±5°C

## Ordering information

Please specify model/order number, name, and quantity when ordering.

Model/Order No.	Name
	<b>Precision Air Line</b>
18A50	0.5 to 18 GHz, 50 Ω, GPC-7
18N50	0.5 to 18 GHz, 50 Ω, N (m)
18NF50	0.5 to 18 GHz, 50 Ω, N (f)
19K50	0.8 to 40 GHz, 50 Ω, K(m)
19KF50	0.8 to 40 GHz, 50 Ω, K(f)
19S50	0.8 to 26.5 GHz, 50 Ω
19SF50	0.8 to 26.5 GHz, 50 Ω