

# COAXIAL TERMINATIONS

28, 29 Series DC to 110 GHz



28K50A



28KF50A



28V50C



29A50-20



28W50



28N50-2

These precision, metrology-grade terminations are used in measurement systems that need to achieve the smallest possible reflections. Their excellent match makes them ideal as a reference for fault location measurements on scalar network analyzers.

## Precision termination features

- Accurate reference for SWR measurements
- Precise termination for test instrument or device under test

## Precision termination specifications

Model	Frequency range (GHz)	Test port connector	Input impedance (Ω)	SWR (F in GHz)	Dimensions L(cm) x dia(cm)
28A50-1	DC to 18	GPC-7	50	1.02 Max.	5.2 x 2.2
28N50-2 28NF50-2	DC to 18	N(m) N(f)	50	1.02 Max.	5.2 x 2.2 4.8 x 1.6
28N50-3	DC to 8	N(m)	50	1.03 Max.	5.2 x 2.2
28S50-1 28SF50-1	DC to 26.5	WSMA(m) WSMA(f)	50	1.020 to 18.5 GHz 1.153 to 26.5 GHz	3.7 x 1.2 3.7 x 1.2
28K50A 28KF50A	DC to 40	K(m) K(f)	50	1.040 to 20 GHz 1.052 to 40 GHz	3.7 x 1.2 3.7 x 1.2
28V50C 28VF50C	DC to 67	V(m) V(f)	50	1.018 to 6 GHz 1.030 to 20 GHz 1.050 to 50 GHz 1.080 to 65 GHz 1.100 to 67 GHz	3.7 x 1.2 3.7 x 1.2
28W50	DC to 110	W1(m)	50	1.046 to 20 GHz 1.058 to 65 GHz 1.330 to 110 GHz	2.5 x 0.8
28WF50	DC to 110	W1(f)	50	1.052 to 20 GHz 1.066 to 65 GHz 1.500 to 110 GHz	2.5 x 0.8

**Maximum Input Power:** 0.5 W

When used with Anritsu airlines, the 29 Series Offset Terminations permit measurements down to 1.006 SWR to 18 GHz, 1.01 SWR to 26.5 GHz, and 1.02 SWR to 40 GHz.

## Offset termination features

- 50 Ω Offset Terminations for precise measurement of low SWR or high directivity
- Measurements down to 1.006 SWR to 18 GHz, 1.01 SWR to 26.5 GHz, and 1.02 SWR to 40 GHz

## Offset termination specifications

Model	Frequency range (GHz)	Test port connector	Return loss (dB)	Dimensions L(cm) x dia(cm)
29A50-20	DC to 18	GPC-7	20 ±0.5 to 1 GHz 20 ±1.0 to 4 GHz 20 ±1.5 to 18 GHz	5.2 x 2.2
29S50-20	DC to 26.5	WSMA(m)	20 ±1.5 to 18.5 GHz 20 ±2.5 to 26.5 GHz	3.7 x 1.2

**Temperature range:** +25°C ±5°C

## Ordering information

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

Model/Order No.	Name
<b>Precision termination</b>	
28A50-1	DC to 18 GHz, 50 Ω, GPC-7
28N50-2	DC to 18 GHz, 40 dB, 50 Ω, N(m)
28NF50-2	DC to 18 GHz, 40 dB, 50 Ω, N(f)
28N50-3	DC to 8.6 GHz, 50 Ω, N(m)
28S50-1	DC to 26.5 GHz, 50 Ω, WSMA(m) (selected for higher accuracy)
28SF50-1	DC to 26.5 GHz, 50 Ω, WSMA(f) (selected for higher accuracy)
28K50	DC to 40 GHz, 50 Ω, K(m)
28KF50	DC to 40 GHz, 50 Ω, K(f)
28V50C	DC to 67 GHz, V(m)
28VF50C	DC to 67 GHz, V(f)
28W50	DC to 110 GHz, 50 Ω, W1(m)
28WF50	DC to 110 GHz, 50 Ω, W1(f)
<b>Offset termination</b>	
29A50-20	DC to 18 GHz, 50 Ω, GPC-7, 20 dB return loss
29S50-20	DC to 26.5 GHz, 50 Ω, WSMA(m), 20 dB return loss
29SF50-20	DC to 26.5 GHz, 50 Ω, WSMA(f), 20 dB return loss
29K50-15	DC to 40 GHz, 50 Ω, K(m), 15 dB return loss
29KF50-15	DC to 40 GHz, 50 Ω, K(f), 15 dB return loss