

INSTRUMENTATION GRADE ADAPTERS

34 Series DC to 60 GHz



The 34 Series of precision adapters enable accurate measurements with GPC-7, Type N, or WSMA interfaces. Every adapter is designed and manufactured to ensure low reflections and optimum performance over a broad frequency range.

Precision adapter features

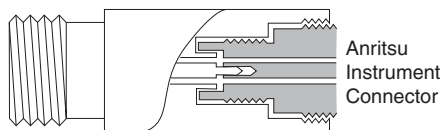
- Low SWR and insertion loss
- GPC-7, Type N, and WSMA connectors
- Convenient transition with minimal effect on signal
- 50 Ω or 75 Ω impedance

The 34R Series precision adapters provide a rugged, rigid connection between Anritsu instruments with WSMA, K Connector®, or V Connector® outputs and Anritsu SWR Autotesters and SWR Bridges or other instruments.

The adapters have an outside diameter equal to that of a Type N connector, adding mechanical strength to the test setup and making installation convenient and fast.

Ruggedized adapter features

- Enhance reliability of microwave test setup
- Easy-to-grasp Type N outside diameter
- Rigid test connections for improved test data repeatability

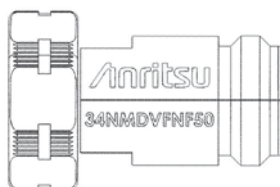


34R Series Adapter

The 34NMD series adapters provide a ruggedized interface to the instrument test port. The NMD interface is designed to fit the appropriate torque wrench dimensions for improved repeatability.

NMD Adapter features

- Strong mechanical support for mmWave connectors
- Low VSWR and insertion loss



Specifications

Model	Frequency range (GHz)	Connectors	SWR	Dimensions L(cm) x dia(cm)
34NN75B	DC to 3	N(m) to N(m)	1.1	6.0 x 2.2
34AN50 34ANF50	DC to 18	GPC-7 to N(m) GPC-7 to N(f)	1.02	4.2 x 2.2 4.2 x 2.2
34NN50A 34NFN50	DC to 18	N(m) to N(m) N(f) to N(f)	1.1	6.0 x 2.2 4.7 x 1.6
34NK50 34NKF50 34NFK50	DC to 18	N(m) to K(m) N(m) to K(f) N(f) to K(m) N(f) to K(f)	1.12	3.8 x 2.2 3.8 x 2.2 3.8 x 1.6 3.8 x 1.6
34RSN50	DC to 18	WSMA(m) to N(m)	1.22	-
34RKNF50	DC to 18	RK(m) to N(f)	1.40	5.1 x 1.7
34RVNF50	DC to 18	RV(m) to N(f)	1.40	5.1 x 1.7
34NMDVFN50	DC to 18	NMD V(f) to N(f)	1.08	3.4 x 2.0
34AKNF50	DC to 20	RAK(m) to N(f)	1.5	-
34RKRK50	DC to 40	RK(m) to RK(m)	2.00	5.8 x 1.7
34RVRK50	DC to 40	RV(m) to RK(m)	2.00	5.8 x 1.7
34RVRV50	DC to 60	RV(m) to RV(m)	2.30	5.8 x 1.7

Impedance: 50 Ω

Temperature range: 0°C to +75°C

Ordering information

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

Model/Order No.	Name
	Precision adapter
34NN75B	DC to 3 GHz, 75 Ω, N(m)-N(m)
34AN50	DC to 18 GHz, 50 Ω, GPC-7-N(m)
34ANF50	DC to 18 GHz, 50 Ω, GPC-7-N(f)
34AKNF50	DC to 20 GHz 50 Ω, RAK(m)-N(f)
34NN50A	DC to 18 GHz, 50 Ω, N(m)-N(m)
34NFN50	DC to 18 GHz, 50 Ω, N(f)-N(f)
34NK50	DC to 18 GHz, 50 Ω, N(m)-K(m)
34NKF50	DC to 18 GHz, 50 Ω, N(m)-K(f)
34NFK50	DC to 18 GHz, 50 Ω, N(f)-K(m)
34NFKF50	DC to 18 GHz, 50 Ω, N(f)-K(f)
34RSN50	DC to 18 GHz, 50 Ω, WSMA(m)-N(m)
34RKNF50	DC to 18 GHz, 50 Ω, RK(m) to N(f)
34RVNF50	DC to 18 GHz, 50 Ω, RV(m) to N(f)
34RKRK50	DC to 40 GHz, 50 Ω, RK(m) to RK(m)
34RVRK50	DC to 40 GHz, 50 Ω, RV(m) to RK(m)
34RVRV50	DC to 60 GHz, 50 Ω, RV(m) to RV(m)
34NMDVFN50	DC to 18 GHz, 50 Ω, NMD V(f) to N(f)

INSTRUMENTATION GRADE ADAPTERS

34 Series W to V DC to 65 GHz



These 34 Series of precision adapters enable accurate measurement with W1 Connector® and V Connector® interfaces.

Precision adapter features

- Low SWR and insertion loss
- W1 and V Connectors®
- 50 Ω Impedance

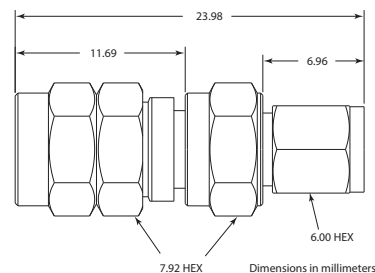
Specifications

Model	Frequency Range (GHz)	Impedance (Ω)	Connectors	Insertion Loss	SWR
34WV50	DC to 65 GHz	50	W1(m) to V(m)	0.5 dB	1.22
34WVVF50	DC to 65 GHz	50	W1(f) to V(m)	0.5 dB	1.22
34WVF50	DC to 65 GHz	50	W1(m) to V(f)	0.5 dB	1.22
34WVVF50	DC to 65 GHz	50	W1(f) to V(f)	0.5 dB	1.22

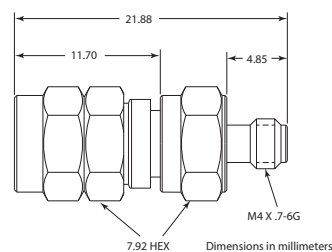
Ordering information

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

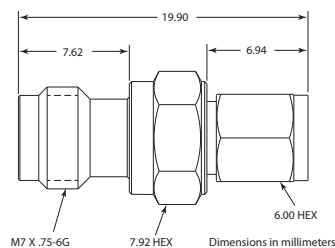
Model/Order No.	Name
	Precision adapter
34WV50	DC to 65 GHz, 50 Ω , W1(m) to V(m)
34WVVF50	DC to 65 GHz, 50 Ω , W1(f) to V(m)
34WVF50	DC to 65 GHz, 50 Ω , W1(m) to V(f)
34WVVF50	DC to 65 GHz, 50 Ω , W1(f) to V(f)



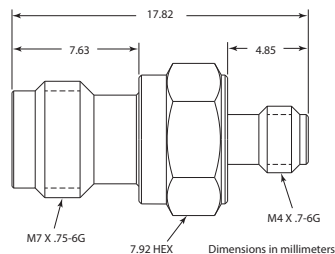
34WV50 outline



34WVVF50 outline



34WVF50 outline



34WVVF50 outline