

## Test Port Cable and Adapter Kits

### Adapter Specifications

#### Coaxial to Coaxial Test Port Adapter Specifications

ADAPTER MODEL	ADAPTS		FREQUENCY RANGE AND MAXIMUM VSWR (GHZ)				NOMINAL IMPEDANCE	OVERALL LENGTH	
	SIDE A	SIDE B						INCHES	(CM)
7909A1 <sup>1</sup>	NMD2.4mm female	2.4mm female	DC	—	26.5	≤ 1.10	50 ohm	1.48	(3.76)
7909A2 <sup>1</sup>	NMD2.4mm female	2.4mm male	26.5	—	40.0	≤ 1.15			
7909B1	NMD2.4mm female	3.5mm female	40.0	—	50.0	≤ 1.20	50 ohm	1.51	(3.84)
7909B2	NMD2.4mm female	3.5mm male	DC	—	10.0	≤ 1.06	50 ohm	1.26	(3.20)
			10.0	—	20.0	≤ 1.10			
7909C	NMD2.4mm female	7mm	20.0	—	34.0	≤ 1.12	50 ohm	1.26	(3.20)
			DC	—	10.0	≤ 1.05			
			10.0	—	20.0	≤ 1.07			
7909D1	NMD2.4mm female	Type N female	20.0	—	34.0	≤ 1.10	50 ohm	2.16	(5.49)
			DC	—	10.0	≤ 1.08			
7909D2	NMD2.4mm female	Type N female	10.0	—	20.0	≤ 1.12	50 ohm	1.80	(4.57)
7909E1	NMD 2.4mm female	2.92mm (K) female	20.0	—	34.0	≤ 1.14	50 ohm	1.84	(4.67)
7909F1	NMD 2.4mm female	2.92mm (K) female	DC	—	20.0	≤ 1.10	50 ohm	1.44	(3.66)
7909F2	NMD 2.4mm female	2.92mm (K) male	20.0	—	40.0	≤ 1.16	50 ohm	1.48	(3.76)
7909H	NMD 2.4mm female	NMD 3.5mm male	DC	—	10.0	≤ 1.06	50 ohm	1.49	(3.79)
			10.0	—	20.0	≤ 1.10			
			20.0	—	34.0	≤ 1.14			
8009A	NMD 3.5mm female	3.5mm female	DC	—	18.0	≤ 1.08	50 ohm	1.45	(3.68)
8009B	NMD 3.5mm female	3.5mm male	18.0	—	26.5	≤ 1.12	50 ohm	1.49	(3.79)
2633C	NMD 3.5mm female	7mm	DC	—	18.0	≤ 1.018 + 0.003f	50 ohm	1.86	(4.72)
8829A	NMD 3.5mm female	Type N female	DC	—	6.0	≤ 1.04	50 ohm	2.04	(5.18)
8829B	NMD 3.5mm female	Type N male	6.0	—	18.0	≤ 1.08	50 ohm	2.20	(5.59)
2433A1	NMD 3.5mm female	14mm (GR900 equiv)	DC	—	8.5	≤ 1.01 + 0.008f	50 ohm	2.32	(5.89)
8022A1	3.5mm female	7mm	DC	—	4.0	≤ 1.04	50 ohm	1.67	(4.24)
8022B1	3.5mm male	7mm	4.0	—	18.0	≤ 1.08	50 ohm	1.67	(4.24)
2633A	7mm	7mm "female"	DC	—	18.0	≤ 1.004 + 0.003f	50 ohm	1.62	(4.12)
2606C	7mm	Type N female	DC	—	4.0	≤ 1.03	50 ohm	1.51	(3.84)
2606D	7mm	Type N male	4.0	—	9.0	≤ 1.04	50 ohm	1.51	(3.84)
			9.0	—	18.0	≤ 1.07			
2622A1	7mm	TNC female	DC	—	4.0	≤ 1.05	50 ohm	1.68	(4.26)
2622B	7mm	TNC male	4.0	—	18.0	≤ 1.15	50 ohm	1.55	(3.94)
2607A1	7mm	14mm (GR900 equiv)	DC	—	8.5	≤ 1.004 + 0.004f	50 ohm	2.01	(5.10)

#### Waveguide to Coaxial Test Port Adapter Specifications

ADAPTER MODEL	ADAPTS		FREQUENCY RANGE AND MAXIMUM VSWR (GHZ)				EQUIVALENT FLANGE	OVERALL LENGTH	
	SIDE A	SIDE B						INCHES	(CM)
E230K1 <sup>2</sup>	NMD3.5mm female	EIA WR229	3.3	—	4.9	≤ 1.10	CPR229F	3.88	(9.86)
G230K1 <sup>2</sup>	NMD3.5mm female	EIA WR187	3.95	—	5.85	≤ 1.10	UG149/U	3.88	(9.86)
F230K1	NMD3.5mm female	EIA WR159	4.9	—	7.05	≤ 1.10	CPR159F	3.40	(8.64)
C230K1	NMD3.5mm female	EIA WR137	8.85	—	8.20	≤ 1.10	UG344/U	3.13	(7.95)
H230K1	NMD3.5mm female	EIA WR112	7.05	—	10.0	≤ 1.10	UG51/U	2.98	(7.57)
X230K1	NMD3.5mm female	EIA WR90	8.2	—	12.4	≤ 1.10	UG39/U	2.73	(6.93)
M230K1	NMD3.5mm female	EIA WR75	10.0	—	15.0	≤ 1.10	MPF75	2.63	(6.68)
P230K1	NMD3.5mm female	EIA WR62	12.4	—	18.0	≤ 1.10	UG419/U	2.38	(6.05)
N230K3	NMD3.5mm female	EIA WR51	15.0	—	22.0	≤ 1.20	MPF51	2.00	(5.08)
K230K6	NMD3.5mm female	EIA WR42	18.0	—	26.5	≤ 1.15	UG595/U	1.80	(4.57)
U233E <sup>3</sup>	NMD2.92mm female	EIA WR28	26.5	—	40.0	≤ 1.30	UG599/U	1.80	(4.57)

<sup>1</sup> 7909A1 and 7909A2 are phase matched for VNA applications.

<sup>3</sup> Mates with the special (K) connector provided on Anritsu 360 VNA.

<sup>2</sup> These Larger waveguide adapters should not be directly connected to test sets without support.