

WAVEGUIDE TO COAX ADAPTERS



FEATURES:

- Waveguide to 2.92, 2.4, 1.85, 1.0 mm coax connectors
- Right-angle

APPLICATIONS:

- Transition waveguide to coax components
- Test equipment
- External coax connectors for waveguide based assemblies or vice versa

DESCRIPTION

Millitech's waveguide to coax adapters, cover up to 110 GHz. Waveguide to coax include 2.92, 2.4, 1.85, and 1.0 mm connectors.

ELECTRICAL SPECIFICATIONS

MODEL NAME	FREQUENCY RANGE (GHz)	BAND	WAVEGUIDE	COAX CONNECTOR	INSERTION LOSS (DB)	RETURN LOSS (DB)	OUTLINE DRAWING
WCA-42-K	18.0 – 26.5	K	WR-42	2.92 mm	0.20	19	Figure 1 ¹
WCA-34-K	22.3 – 33.0	-	WR-34	2.92 mm	0.30	21	Figure 1 ¹
WCA-28-K	26.5 – 40.0	Ka	WR-28	2.92 mm	0.25	19	Figure 1 ¹
WCA-28-Q	26.5 – 40.0	Ka	WR-28	2.40 mm	0.25	20	Figure 1 ¹
WCA-22-Q	33.0 – 50.0	Q	WR-22	2.40 mm	0.30	18	Figure 2
WCA-19-V	40.0 – 60.0	U	WR-19	1.85 mm	0.35	18	Figure 2
WCA-15-V	50.0 - 72.0	V	WR-15	1.85 mm	0.40	16	Figure 2
WCA-12-1	60.0 - 90.0	E	WR-12	1.00 mm	0.60	15	Figure 2
WCA-10-1	75.0 -110.0	W	WR-10	1.00 mm	0.80	14	Figure 2

¹ - WR-42, WR-34, and WR-28 have square waveguide flanges. All else are round.