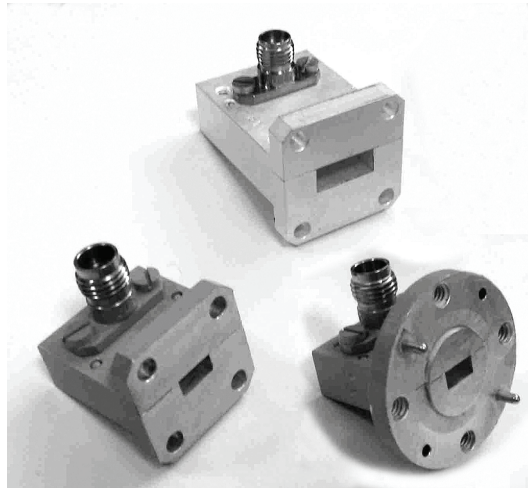


Part VII. Waveguide-Coaxial Adapters



APPLICATION NOTE FOR THE WAVEGUIDE-COAXIAL ADAPTERS

INTERPRETATION OF MODEL PART NUMBER (for Waveguide-Coaxial adapter):

1 A W C 28 - 1 - F - K
 1 2 3 4 5 6 7 8

1. Frequency range:
 1-mm
 2-cm
 3-dm
2. Functionality
 A-adapter
3. Type of connector:
 W-waveguide
4. Type of connector:
 C-coaxial
5. Type of waveguide:
 22-WR22
 28-WR28
 42-WR42
6. Number of modification
7. Middle frequency range in GHz
 Or F-full frequency band
8. Type of coaxial connector
 K- K(2.9mm)
 2.4 – 2.4mm

WAVEGUIDE - COAXIAL ADAPTERS

(18.00–50.00GHz)

FREQUENCY (GHz)	BANDWIDTH	MODEL P/N	INSERTION LOSS (dB)	VSWR (TYPE/MAX)	OUTLINE #	CONNECTOR	WAVEGUIDE
18.00 – 26.50	full	2AWC42-1-F-K		1.25/1.30	4		WR-42
26.50 – 40.00	15%	1AWC28-1-F-K			1	K(2.9) female	WR-28
		1AWC28-1-XX-K		1.20			
	Full	1AWC28-1-F-K		1.35	K(2.9) male		
33.00 – 50.00	15%	1AWC28-1-XX-K	0.3/0.5	1.20			
	full	1AWC22-1-F-2.4		1.25/1.30	2	2.4female	WR-22
		1AWC22-2-F-2.4			3		
	15%	1AWC22-1-XX-2.4		1.20	2		
33.00 – 50.00	15%	1AWC22-2-XX-2.4			3		

All electrical specifications are at room temperature.

OUTLINE #	DIMENSIONS, mm			FLANGE
	A	B	C	
1	13.70	17.30	22.00	UG599/U
2	13.70	16.85	20.00	UG599/U
3	13.70	16.85	20.00	UG383/U
4	21.0	19.10	30.00	UG595/U

