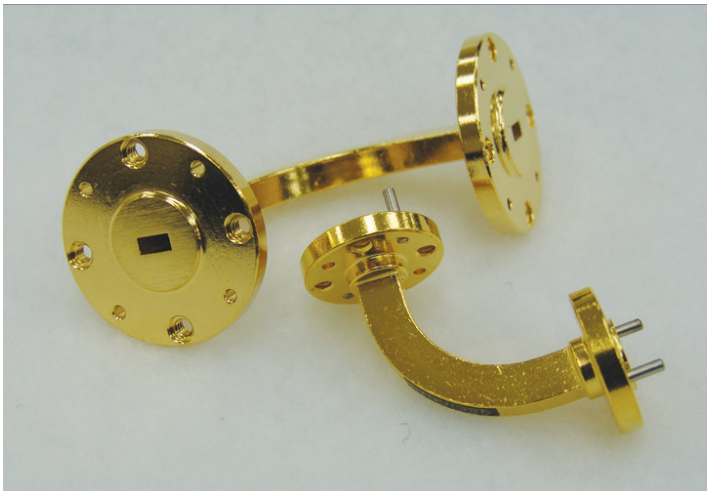
Description

Mi-Wave's 670, 671, 672, and 675 Series H-e Bends are sections of high-precision waveguide accurately shaped to either 30° (671), 45°, (675), 60° (672), or 90° (670). Special angles, radii, and configurations for particular application can be developed on special order. All H-plane bends are available from 12.4 to 320 GHz.

- *Available from 12.4 to 320 GHz*
- *Additional Radius and Angle Bends by Special Order*
- *Smooth Precision Bends Minimize Energy Reflections*



Applications

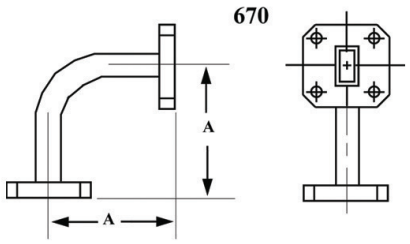
The H-plane bends series provide accurate offsets and directional changes in waveguide transmission lines for test and developmental applications. Manufactured to rigid specifications, these transmission line components provide minimum detrimental effects on the overall system VSWR.

Dimensional Specifications

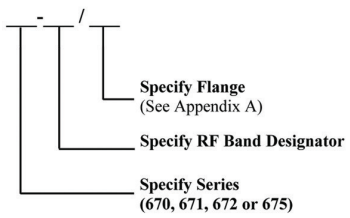
Model No.	A		Weight
	in.	mm	(oz)
670Ku, 671Ku, 672Ku	1.80	45.7	2.7
670K, 671K, 672K	1.50	38.1	2.7
670A, 671A, 672A	1.50	38.1	2.5
670B, 671B, 672B	1.50	38.1	2.3
670U, 671U, 672U	1.50	38.1	2.2
670V, 671V, 672V	1.00	25.4	1.7
670E, 671E, 672E	1.00	25.4	1.6
670W, 671W, 672W	1.00	25.4	1.5
670F, 671F, 672F	1.00	25.4	1.1
670D, 671D, 672D	1.00	25.4	0.8
670G, 671G, 672G	1.00	25.4	0.8
675Ku	1.80	45.7	2.4
675K	1.50	38.1	2.4
675A	1.50	38.1	2.5
675B	1.50	38.1	2.3
675U	1.50	38.1	2.2
675V	1.00	25.4	1.7
675E	1.00	25.4	1.6
675W	1.00	25.4	1.5
675F	1.00	25.4	1.1
675D	1.00	25.4	0.8
675G	1.00	25.4	0.8

Technical Specifications (typical)

Model No.	Frequency Band BBand (GHz)	VSWR
670Ku, 671Ku, 672Ku, 675KU, 675Ku	12.4–18.0	1.10
670K, 671K, 672K, 675K	18.0–26.5	1.10
670A, 671A, 672A, 675A	26.5–40.0	1.10
670B, 671B, 672B, 675B	33.0–50.0	1.10
670U, 671U, 672U, 675U	40.0–60.0	1.12
670V, 671V, 672V, 675V	50.0–75.0	1.12
670E, 671E, 672E, 675E	60.0–90.0	1.12
670W, 671W, 672W, 675W	75.0–110.0	1.15
670F, 671F, 672F, 675F	90.0–140.0	1.15
670D, 671D, 672D, 675D	110.0–170.0	1.15
670G, 671G, 672G, 675G	140.0–220.0	1.15



Ordering Information



Custom Bends Available	
670	90°
671	30°
672	60°
675	45°