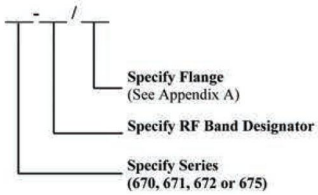
670, 671, 672, & 675 Series H-Plane Bends

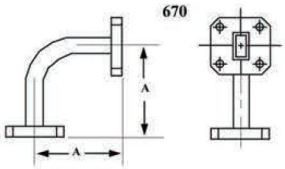
MI-WAVE
Millimeter Wave Products Inc.

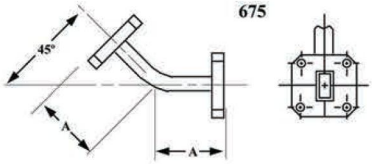
Features

- Available from 12.4 to 220 GHz
- Additional Radius and Angle Bends by Special Order
- Smooth Precision Bends Minimize Energy Reflections

Ordering Information







Description

Mi-Wave's 670, 671, 672 and 675 series H-plane 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.

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.

Custom Bends Available

670 90°
671 30°
672 60°
675 45°

Technical Specifications (typical)

Model Number	Frequency Band BBand (GHz)	VSWR
670Ku, 671Ku, 672Ku,675Ku 665Ku	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

Dimensional Specifications

Model No	A in	A mm	Weight (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

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