



### Description

Mi-Wave's 690 Series flanged waveguide sections are available in standard waveguide sizes from 8 to 320 GHz. Each section is precisely fabricated using MIL-SPEC waveguide and flanges. Precise control of the fabrication processes eliminates waveguide discontinuities and distortion.

The 690 Series waveguide is available in a wide variety of materials. Available lengths are limited by raw waveguide which varies length with each waveguide size. Check with Mi-Wave's sales engineer for available lengths. Longer sections different wave-guide materials, and special flanges are all available upon request.

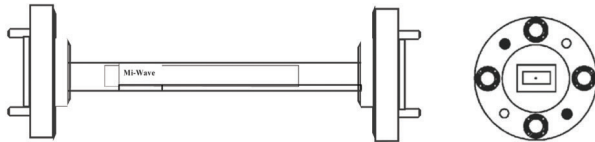
### Applications

The 690 Series straight waveguide sections with standard flanges are used in operational millimeter wave transmission systems and as basic transmission sections in test and laboratory sets.

### Dimensional Specifications

Model No.	Inside Dimensions	
	in.	mm
690Ku	0.622 x 0.311	15.80 x 7.90
690K	0.420 x 0.170	10.66 x 5.33
690A	0.280 x 0.140	7.12 x 3.56
690B	0.224 x 0.112	5.68 x 2.84
690U	0.188 x 0.094	4.78 x 2.39
690V	0.148 x 0.074	3.76 x 1.88
690E	0.122 x 0.061	3.0988 x 1.549
690W	0.100 x 0.050	2.54 x 1.27
690F	0.080 x 0.040	2.04 x 1.02
690D	0.065 x 0.0325	1.65 x 0.8255
690G	0.051 x 0.0255	1.30 x 0.650

690B



WR 4.3, WR-3.4, WR-2.2 WR-1.0 available

CUSTOM LENGTHS AVAILABLE

\*Standard tolerances of +/- .020

### Ordering Information

