

410 Series Waveguide to Coax Transitions

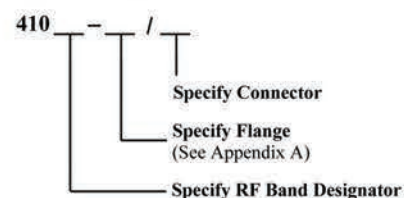
MI-WAVE
Millimeter Wave Products Inc.



Features

- Low Cost Versions Available
- Frequency Ranges 12.4 to 110 GHz
- Wide Variety of Coax Connectors Available
- High Performance Versions for Laboratory Use

Ordering Information



Description

Mi-Wave's 410 series waveguide to coax transitions allow an efficient method of adapting from rectangular waveguide to a coaxial connector. Full waveguide bands available from 12.4 to 110 GHz.

Low insertion losses and VSWR's are typical for these adapters. Low cost production versions are available for equipment use and OEM's. Laboratory grades are also offered on some models.

Applications

Test Equipment
Power Measurement
Broadband Systems



Double Ridged Adapters Available



Technical Specifications (typical)

Model No	410KU	410K	410(WR-34)	410A	410B	410U	410V	410E	410W
Frequency Band (GHz)	12.4-18.0	18.0-26.5	22.0-33.0	26.5-40.0	33.0-50.0	40.0-60.0	50.0-75.0	60.0-90.0	95 -110.0
Waveguide	WR-62	WR-42	WR-34	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Flange	UG-419/U	UG-595/U	UG-595/UM	UG-599/U	UG-599/UM	UG-383/UM	UG-385/U	UG-387/U	UG-385/U
Standard Connectors	N,SMA	2.92-2.4	2.92-2.4	2.92,2.4	2.92,2.4	2.92,2.4	1.85,1.0	1.0	1.0
Available	2.92,2.4	2.0	1.85,1.0	2.0	1.85,1.0	1.85,1.0	1.0	1.0	1.3
Insertion (Loss) (dB)	.3	.3	.3	.4	.5	.5	.5	1.0	1.0
VSWR	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	<2.0:1	<2.0:1

Please Note: Lower frequency versions are available from 6.0 GHz and up.

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MARKER 1: 58.5000 GHz
INSERTION LOSS: -0.300 dB

PARAMETER: -S21-
NORMALIZATION: DATA / MEMORY
REFERENCE PLANE: 0.000 mm
SMOOTHING: 1.0 PERCENT
DELAY APERTURE: -

