

## Waveguide Adapters



1.7-18 GHz

Waveguide to Type N  
Coaxial End Launch Adapters

- Low VSWR
- Lightweight
- Higher Power Handling Capability

## Specifications

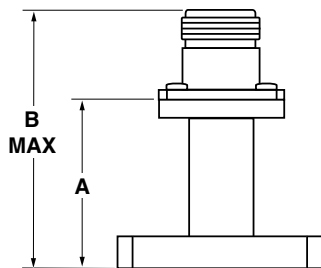
Waveguide to Type N (F), 1.7 to 18 GHz, End Launch

FREQUENCY RANGE (GHz)	MODEL	WAVEGUIDE SIZE	FLANGE TYPE	FLANGE EQUIVALENT	VSWR (max.)	CW POWER (W)	PEAK POWER (kW)	WEIGHT (max.)	
								lb.	kg.
1.70 - 2.60	617E	WR430	CPRF	UG-1711/U	1.25	1000	20	1.70	0.77
2.60 - 3.95	618E	WR284	Cover	UG-584/U	1.25	1000	20	1.15	0.52
3.30 - 4.90	619E	WR229	CPRF	UG-1727/U	1.25	1000	20	0.51	0.23
3.95 - 5.85	620E	WR187	Cover	UG-407/U	1.25	1000	20	0.53	0.24
4.90 - 7.05	621E	WR159	CPRF	UG-1731/U	1.25	1000	15	0.42	0.19
5.85 - 8.20	622E	WR137	CPRF	UG-441/U	1.25	750	14	0.35	0.16
7.05 - 10.0	623E	WR112	Cover	UG-138/U	1.25	500	11	0.25	0.11
7.00 - 11.0	624E	WR102	Cover	MIL-F-3922/70-014	1.25	500	11	0.23	0.10
8.20 - 12.4	625E	WR90	Cover	UG-135/U	1.25	450	11	0.22	0.10
10.0 - 15.0	626E	WR75	Cover	MIL-F-3922/70-017	1.25	500	10	0.20	0.09
12.4 - 18.0	627E	WR62	Cover	UG-1665/U	1.25	500	8	0.17	0.08

## NOTE:

For a complete listing of all band letters and codes in use, refer to Band Designation Table on Page 183.

## Outline Drawing

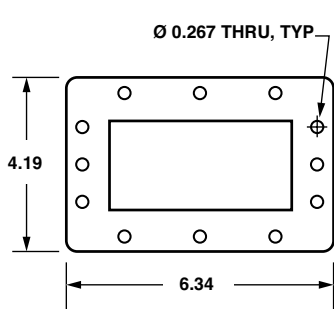


MODEL	DIMENSIONS (inches)	
	A	B
617E	4.00	4.74
618E	2.75	3.49
619E	2.25	2.99
620E	2.07	2.81
621E	2.00	2.77
622E	1.83	2.60
623E	1.56	2.30
624E	1.50	2.24
625E	1.46	2.20
626E	1.38	2.11
627E	1.25	1.99

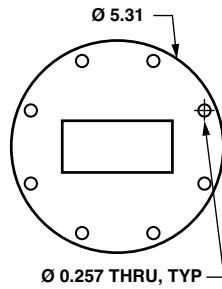
Dimensions in inches, unless otherwise specified.



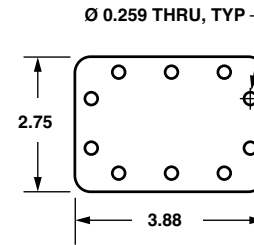
# Waveguide Flange Data



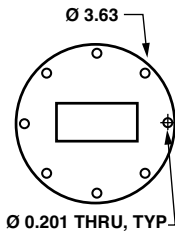
**WR430**  
(UG-1711/U)



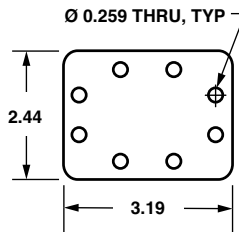
**WR284**  
(UG-584/U)



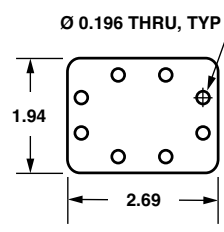
**WR229**  
(UG-1727/U)



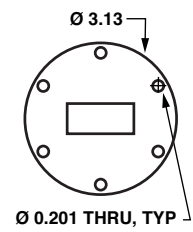
**WR187**  
(UG-407/U)



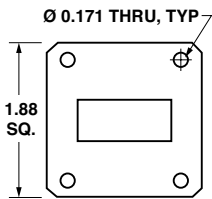
**WR159**  
(UG-1731/U)



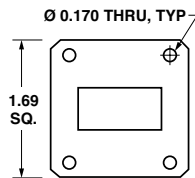
**WR137**  
(UG-1733/U)



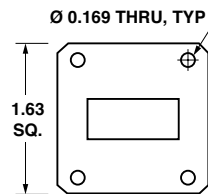
**WR137**  
(UG-441/U)



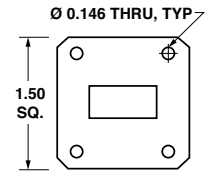
**WR112**  
(UG-138/U)



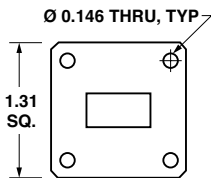
**WR102**  
(MIL-F-3922/70-014)



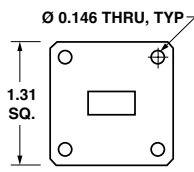
**WR90**  
(UG-135/U)



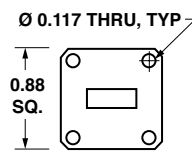
**WR75**  
(MIL-F-3922/70-017)



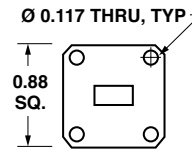
**WR62**  
(UG-1665/U)



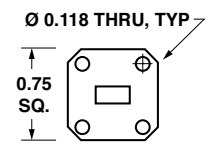
**WR51**  
(MIL-F-3922/70-024)



**WR42**  
(UG-597/U)



**WR34**  
(UG-1530/U)



**WR28**  
(UG-599/U)

For a complete listing of all band letters and codes in use, refer to Band Designation Table on page 183.

Dimensions in inches, unless otherwise specified.