

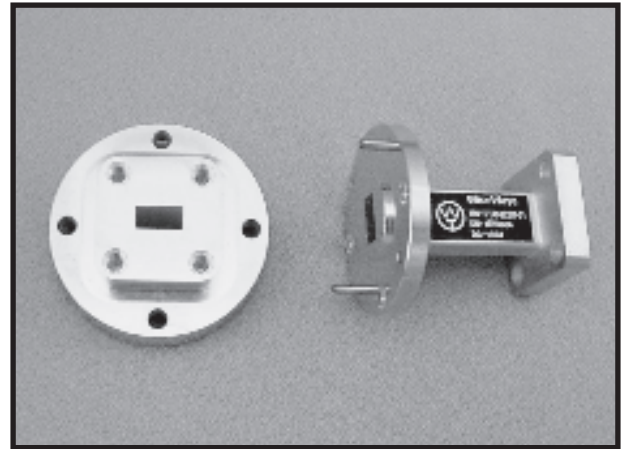
FEATURES

- ❖ Rugged waveguide configuration
- ❖ Full band operation
- ❖ High performance

APPLICATIONS

- ❖ Test benches
- ❖ Subsystems
- ❖ Prototypes
- ❖ Inter connections

DESCRIPTION



PWA & PWK Series

PWA series rectangular waveguide flange adapters are offered to cover frequency range of 18 to 110 GHz in seven waveguide bands. These adapters are used for connecting the same size rectangular waveguide with different flange patterns.

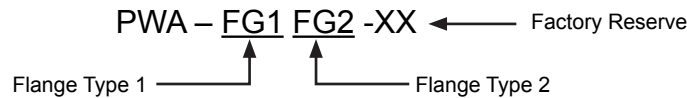
PWK series rectangular waveguide bulkhead flange amount adapters are offered to cover frequency range of 18 to 110 GHz in seven waveguide bands. These transitions are manufactured with EDM technique to ensure high mechanical tolerance and ruggedness. The transitions are used for waveguide interface in panel amount equipment.

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HOW TO ORDER

Waveguide Flange Adapters

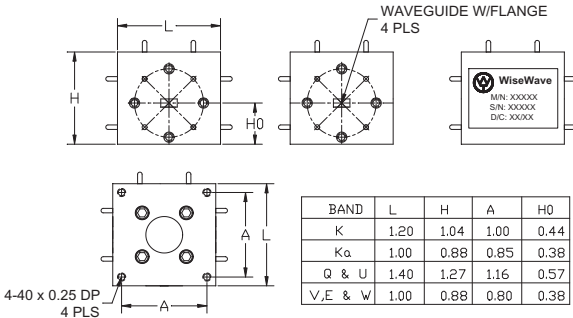
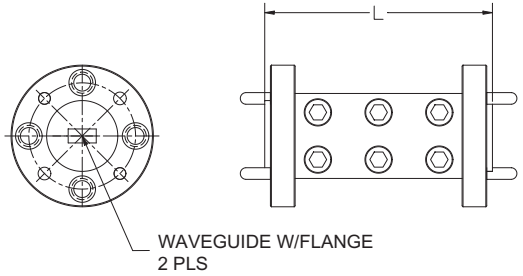
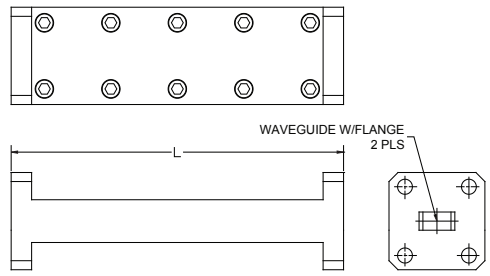
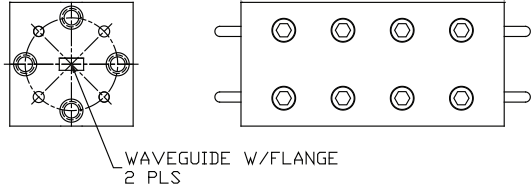
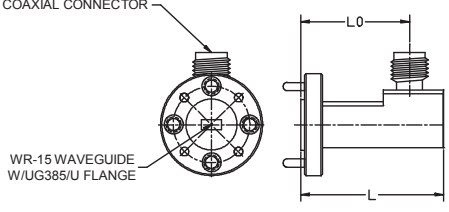
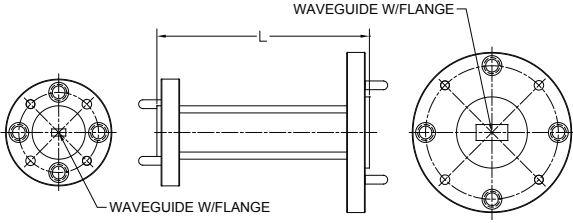
Specify Model Number



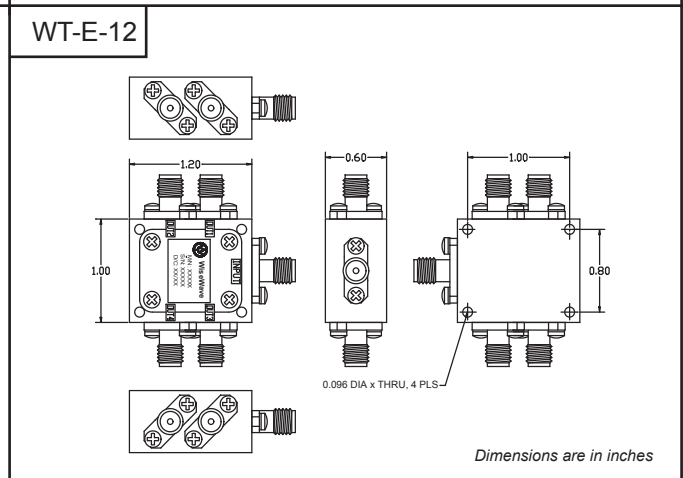
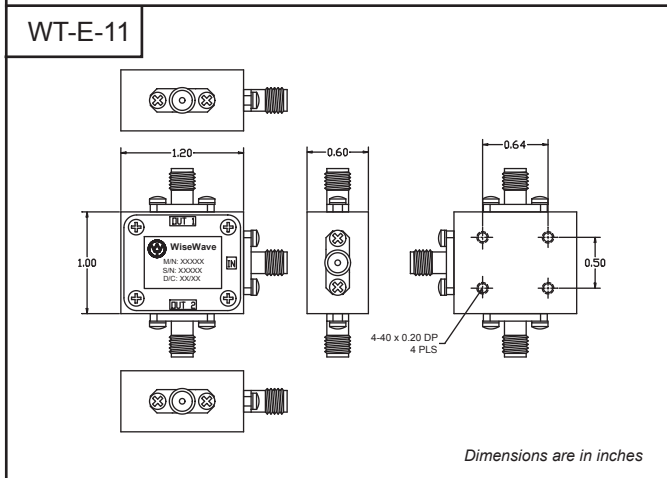
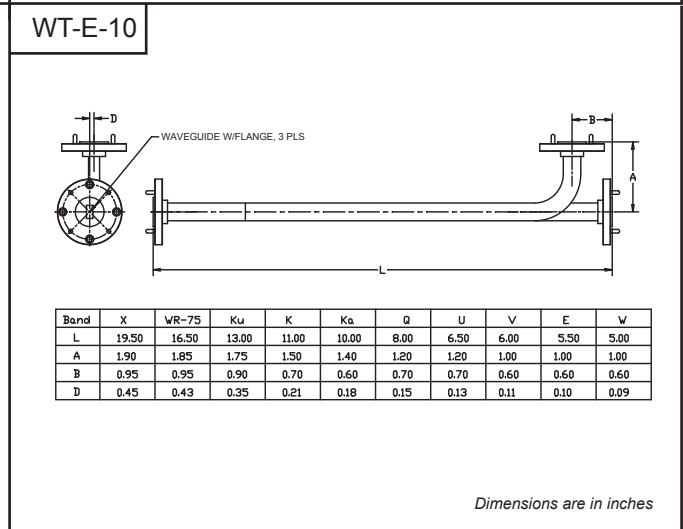
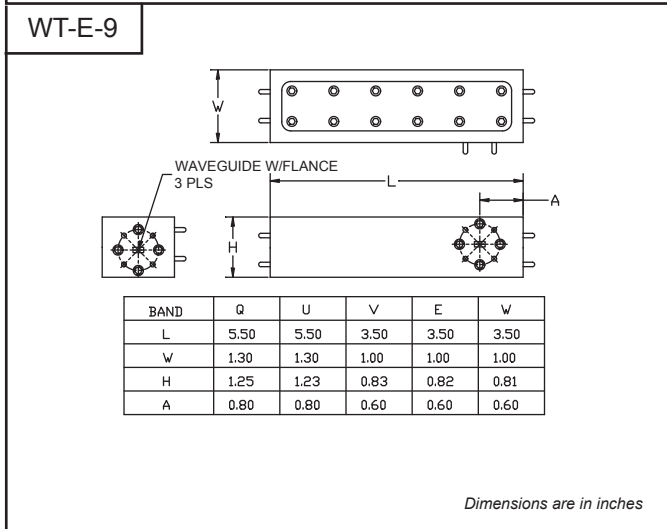
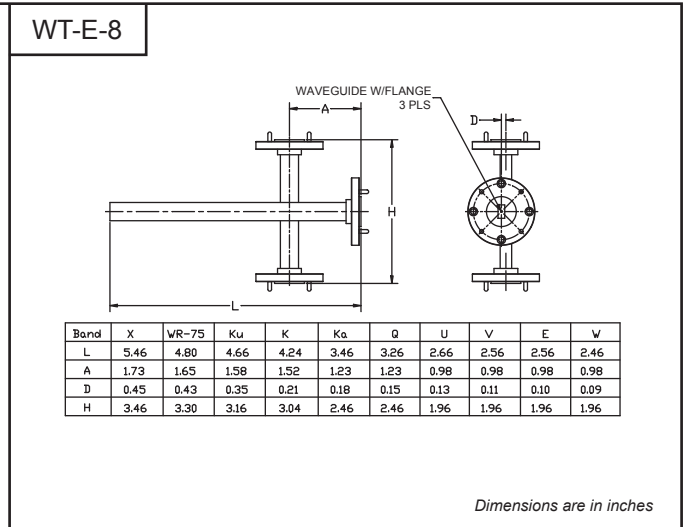
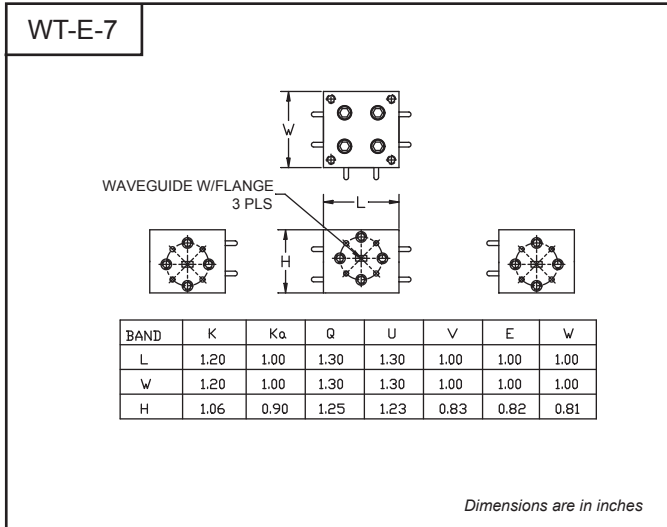
Example: To order a UG383/U to UG599/U flange adapter, specify PWA-383599-XX.

Bulkhead Waveguide Adapters

Frequency Band	K	Ka	Q	U	V	E	W
Model Number	PWK-42-01	PWK-28-01	PWK-22-01	PWK-19-01	PWK-15-01	PWK-12-01	PWK-10-01
Freq. Range (GHz)	18-26.5	26.5-40	33-50	40-60	50-75	60-90	75-110
Waveguide Size	WR-42	WR-28	WR-22	WR-19	WR-15	WR-12	WR-10
Flange Type	UG595/U	UG599/U	UG383/U	UG383/U Mod	UG385/U	UG387/U	UG387/U Mod

<div style="border: 1px solid black; padding: 5px;"> <p>WT-E-1</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>BAND</th> <th>L</th> <th>H</th> <th>A</th> <th>H0</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>1.20</td> <td>1.04</td> <td>1.00</td> <td>0.44</td> </tr> <tr> <td>K_a</td> <td>1.00</td> <td>0.88</td> <td>0.85</td> <td>0.38</td> </tr> <tr> <td>Q & U</td> <td>1.40</td> <td>1.27</td> <td>1.16</td> <td>0.57</td> </tr> <tr> <td>V,E & W</td> <td>1.00</td> <td>0.88</td> <td>0.80</td> <td>0.38</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">Dimensions are in inches</p> </div>	BAND	L	H	A	H0	K	1.20	1.04	1.00	0.44	K _a	1.00	0.88	0.85	0.38	Q & U	1.40	1.27	1.16	0.57	V,E & W	1.00	0.88	0.80	0.38	<div style="border: 1px solid black; padding: 5px;"> <p>WT-E-2</p>  <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>BAND</th> <th>K</th> <th>K_a</th> <th>Q & U</th> <th>V,E & W</th> </tr> </thead> <tbody> <tr> <td>L</td> <td colspan="4">Vary per Specifications</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small;">Dimensions are in inches</p> </div>	BAND	K	K _a	Q & U	V,E & W	L	Vary per Specifications																							
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The flange pattern shown is for illustration purpose. Refer to Technical Reference Section for flange pattern details. The outline drawings shown are standard versions. Contact factory for your specific package requirements.



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