



**Bulletin No. PRC & PTW** 

#### **FEATURES**

- Rugged waveguide configuration
- Full band operation
- High performance

#### **APPLICATIONS**

- Test benches
- Subsystems
- Prototypes
- Inter connections



**PRC & PTW Series** 

### **DESCRIPTION**

**PRC** series rectangular to circular waveguide transitions are offered to cover frequency range of 18 to 110 GHz. These transitions are manufactured with electro-forming technique to ensure high mechanical tolerance and surface smoothness. Typical VSWR for these transitions is 1.05:1. The transitions are used for connecting rectangular waveguide to circular waveguide with minimum loss. The outline drawing for these transitions is WT-E-6.

**PTW** series rectangular waveguide taper transitions are offered to cover frequency range of 18 to 110 GHz. These transitions are manufactured with EDM technique to ensure high mechanical tolerance and ruggedness. Typical VSWR for these transitions is 1.05:1. The transitions are used for smooth transition between different waveguide size with minimum loss. The outline drawing for these transitions is WT-E-6.

## **HOW TO ORDER**

## Rectangular to circular waveguide transitions

Specify Model Number

PRC - WG DDD -XX ← Factory Reserve

Rectangular Waveguide Size Diameter in Mils

Example: To order a WR-15 to 0.141" diameter rectangular to circular waveguide transition, specify PRC-15141-XX.

## Rectangular taper transitions

Specify Model Number

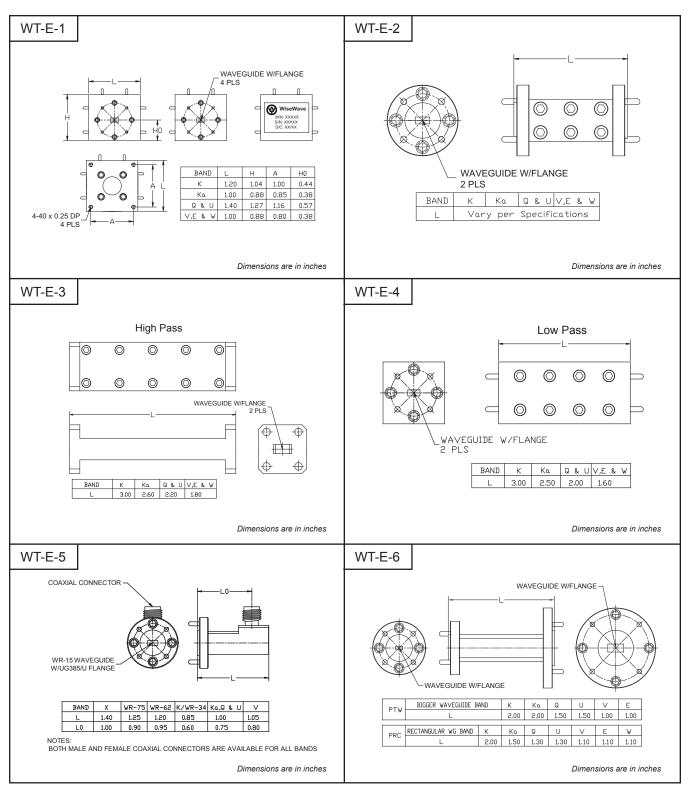
PTW - WG WG L - XX

Factory Reserve

Smaller Waveguide Size Larger Waveguide Size

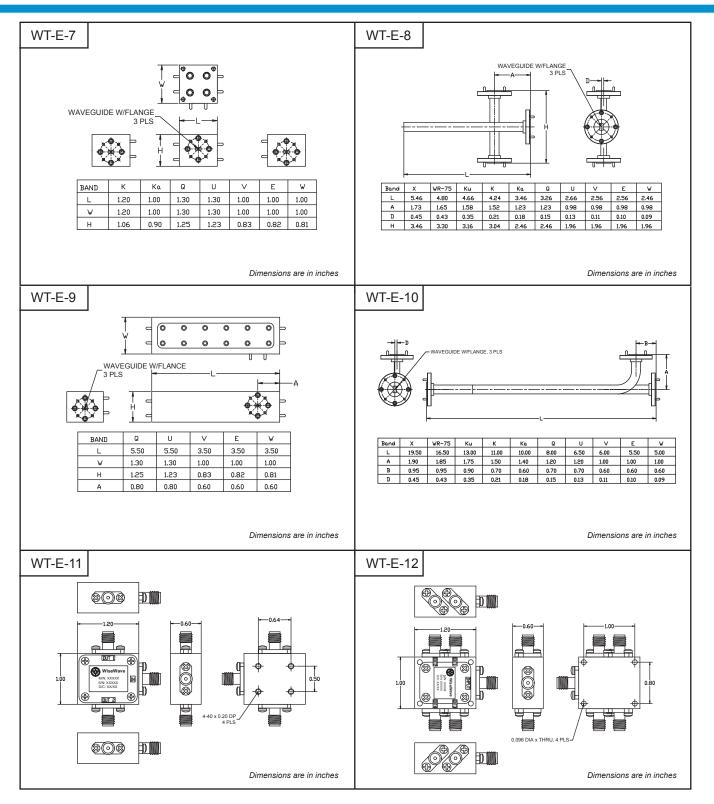
Example: To order a WR-10 to WR-28 waveguide taper transition, specify PTW-1028L-XX.





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.

# **Passive Component Outline Drawings #2**



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.