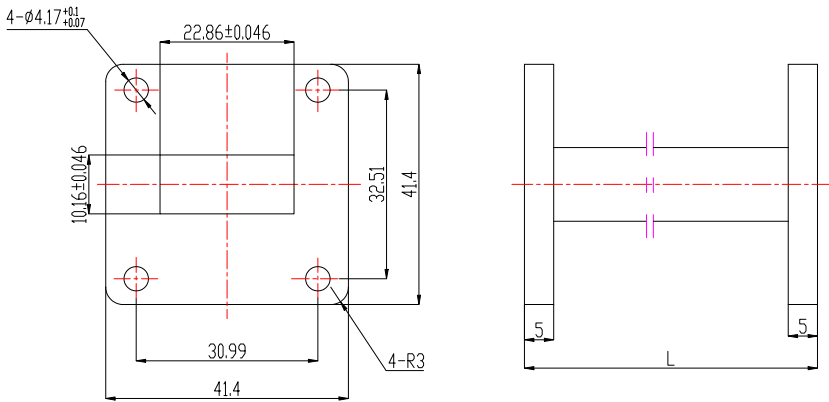



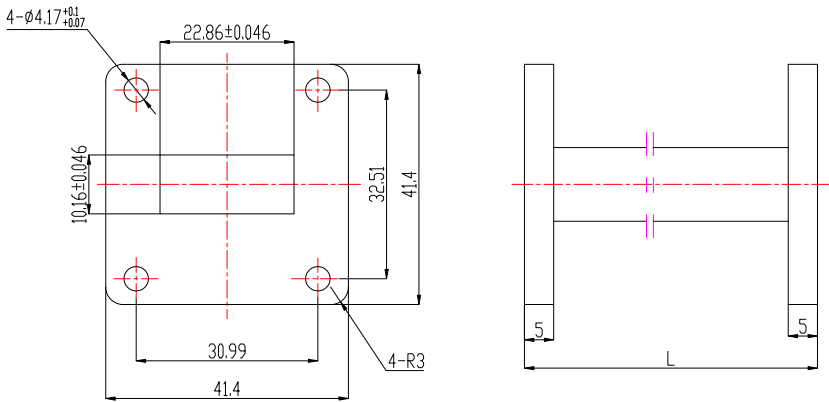



## Flexible-Twistable Waveguide

|                                                                                                                                                                                                |                               |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1.0                                                                                                                                                                                            | Mechanical Specifications     |                                                                                                                 |
| 1.1                                                                                                                                                                                            | Waveguide type                | WR90                                                                                                            |
| 1.2                                                                                                                                                                                            | Flange type                   | FBP100 (UBR100/UG-39/U)                                                                                         |
| 1.3                                                                                                                                                                                            | Material                      | Copper/Brass                                                                                                    |
| 1.4                                                                                                                                                                                            | External Finish               | Thermovac compatible black anodized/<br>Thermovac compatible thermal mat black paint<br>excluding mating flange |
| 1.5                                                                                                                                                                                            | Jacket material               | Black polysulfide rubber                                                                                        |
| 1.6                                                                                                                                                                                            | Maximum Twist                 | 308 deg/m                                                                                                       |
| 1.7                                                                                                                                                                                            | Minimum Bend Radius (E-Plane) | 66 mm                                                                                                           |
| 1.8                                                                                                                                                                                            | Minimum Bend Radius (H-Plane) | 132 mm                                                                                                          |
| 1.9                                                                                                                                                                                            | Length                        | L=100 mm                                                                                                        |
| 1.10                                                                                                                                                                                           | Temperature Range             | -55° C~+85° C                                                                                                   |
| 1.11                                                                                                                                                                                           | Application                   | Thermovac compatible(Non Flight)                                                                                |
|                                                                                                                                                                                                |                               |                                                                                                                 |
| 2.0                                                                                                                                                                                            | Electrical Specifications     |                                                                                                                 |
| 2.1                                                                                                                                                                                            | Frequency Range               | 8.2-12.4 GHz                                                                                                    |
| 2.2                                                                                                                                                                                            | VSWR (Max)                    | 1.20                                                                                                            |
| 2.3                                                                                                                                                                                            | Attenuator (Max)              | 0.5 dB/m                                                                                                        |
| 2.4                                                                                                                                                                                            | Power Handling                | 1000 W (CW)/4KW (Peak Power)                                                                                    |
|                                                                                                                                                                                                |                               |                                                                                                                 |
| 3.0                                                                                                                                                                                            | Outline Drawings              |                                                                                                                 |
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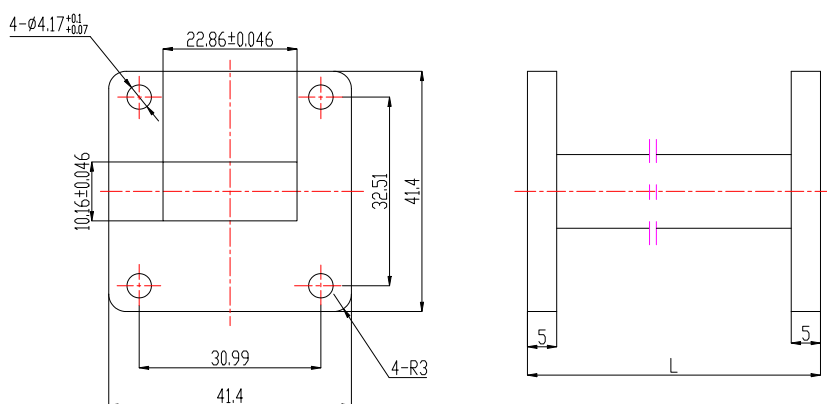



## Flexible-Twistable Waveguide

|                                                                                                                                                                                                |                               |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1.0                                                                                                                                                                                            | Mechanical Specifications     |                                                                                                                 |
| 1.1                                                                                                                                                                                            | Waveguide type                | WR90                                                                                                            |
| 1.2                                                                                                                                                                                            | Flange type                   | FBP100 (UBR100/UG-39/U)                                                                                         |
| 1.3                                                                                                                                                                                            | Material                      | Copper/Brass                                                                                                    |
| 1.4                                                                                                                                                                                            | External Finish               | Thermovac compatible black anodized/<br>Thermovac compatible thermal mat black paint<br>excluding mating flange |
| 1.5                                                                                                                                                                                            | Jacket material               | Black polysulfide rubber                                                                                        |
| 1.6                                                                                                                                                                                            | Maximum Twist                 | 308 deg/m                                                                                                       |
| 1.7                                                                                                                                                                                            | Minimum Bend Radius (E-Plane) | 66 mm                                                                                                           |
| 1.8                                                                                                                                                                                            | Minimum Bend Radius (H-Plane) | 132 mm                                                                                                          |
| 1.9                                                                                                                                                                                            | Length                        | L=200 mm                                                                                                        |
| 1.10                                                                                                                                                                                           | Temperature Range             | -55° C~+85° C                                                                                                   |
| 1.11                                                                                                                                                                                           | Application                   | Thermovac compatible(Non Flight)                                                                                |
|                                                                                                                                                                                                |                               |                                                                                                                 |
| 2.0                                                                                                                                                                                            | Electrical Specifications     |                                                                                                                 |
| 2.1                                                                                                                                                                                            | Frequency Range               | 8.2-12.4 GHz                                                                                                    |
| 2.2                                                                                                                                                                                            | VSWR (Max)                    | 1.20                                                                                                            |
| 2.3                                                                                                                                                                                            | Attenuator (Max)              | 0.5 dB/m                                                                                                        |
| 2.4                                                                                                                                                                                            | Power Handling                | 1000 W (CW)/4KW (Peak Power)                                                                                    |
|                                                                                                                                                                                                |                               |                                                                                                                 |
| 3.0                                                                                                                                                                                            | Outline Drawings              |                                                                                                                 |
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## Flexible-Twistable Waveguide

|                                                                                                                                                                                                |                               |                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1.0                                                                                                                                                                                            | Mechanical Specifications     |                                                                                                                 |
| 1.1                                                                                                                                                                                            | Waveguide type                | WR90                                                                                                            |
| 1.2                                                                                                                                                                                            | Flange type                   | FBP100 (UBR100/UG-39/U)                                                                                         |
| 1.3                                                                                                                                                                                            | Material                      | Copper/Brass                                                                                                    |
| 1.4                                                                                                                                                                                            | External Finish               | Thermovac compatible black anodized/<br>Thermovac compatible thermal mat black paint<br>excluding mating flange |
| 1.5                                                                                                                                                                                            | Jacket material               | Black polysulfide rubber                                                                                        |
| 1.6                                                                                                                                                                                            | Maximum Twist                 | 308 deg/m                                                                                                       |
| A1.7                                                                                                                                                                                           | Minimum Bend Radius (E-Plane) | 66 mm                                                                                                           |
| 1.8                                                                                                                                                                                            | Minimum Bend Radius (H-Plane) | 132 mm                                                                                                          |
| 1.9                                                                                                                                                                                            | Length                        | L=300 mm                                                                                                        |
| 1.10                                                                                                                                                                                           | Temperature Range             | -55° C~+85° C                                                                                                   |
| 1.11                                                                                                                                                                                           | Application                   | Thermovac compatible(Non Flight)                                                                                |
|                                                                                                                                                                                                |                               |                                                                                                                 |
| 2.0                                                                                                                                                                                            | Electrical Specifications     |                                                                                                                 |
| 2.1                                                                                                                                                                                            | Frequency Range               | 8.2-12.4 GHz                                                                                                    |
| 2.2                                                                                                                                                                                            | VSWR (Max)                    | 1.20                                                                                                            |
| 2.3                                                                                                                                                                                            | Attenuator (Max)              | 0.5 dB/m                                                                                                        |
| 2.4                                                                                                                                                                                            | Power Handling                | 1000 W (CW)/4KW (Peak Power)                                                                                    |
|                                                                                                                                                                                                |                               |                                                                                                                 |
| 3.0                                                                                                                                                                                            | Outline Drawings              |                                                                                                                 |
| <div></div> <div></div> |                               |                                                                                                                 |