



### Technical Data Sheet

#### Features

- WR137 (R70, WG14) operating frequency 5.85 - 8.2 GHz
- Flexible and twistable
- Flexible in both E and H plane
- Neoprene Rubber Jacket
- Brass Flanges
- CPRG/CPRG Flanges

#### Electrical Specifications

| Frequency       | Insertion Loss | VSWR               |                    | Power Rating |
|-----------------|----------------|--------------------|--------------------|--------------|
|                 |                | Maximum<br><36 in. | Maximum<br>>36 in. |              |
| Operating       | Maximum        | Maximum<br><36 in. | Maximum<br>>36 in. | Watts        |
| 5.85 - 8.20 GHz | 0.06 dB/ft.    | 1.07               | 1.11               | 1700         |

#### Mechanical Specifications

Waveguide Size ----- WR137 (R70, WG14)  
 Design ----- Flexible and Twistable  
 Length ----- 48 inches  
 Static Bending Radius Rating Minimum, E-Plane ----- 4.0 inches  
 Static Bending Radius Rating Minimum, H-Plane ----- 8.0 inches  
 Repeated Bending Radius Rating Minimum, E-Plane ----- 16 inches  
 Repeated Bending Radius Rating Minimum, H-Plane ----- 32 inches  
 Static Twisting Rating Maximum ----- 64 +/- deg/ft  
 Repeated Twisting Rating Maximum ----- 16 +/-deg/ft  
 Static Length Tolerance ----- 0.13 (1%) +/- inches/foot  
 Static Internal Pressure Rating Maximum ----- 30 psig