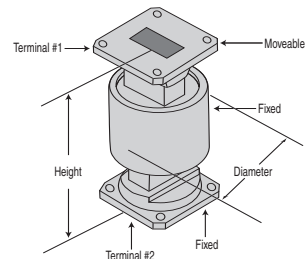


# "I" Style Rotary Joints

"I" (inline) Style, two opposite arms concentric with the axis of rotation-one fixed to the housing-one free to rotate.

| BAND         | FREQ. RANGE GHz | MDL MODEL   | VSWR MAX | WOW MAX | INSERTION LOSS MAX | PEAK POWER AT   |     |      |       | CW     | HOUSING DIA. | HGT  |
|--------------|-----------------|-------------|----------|---------|--------------------|-----------------|-----|------|-------|--------|--------------|------|
|              |                 |             |          |         |                    | 0               | 15  | 30   | 45    |        |              |      |
|              |                 |             |          |         |                    | PRESSURE (PSIG) |     |      |       |        |              |      |
| WR22         | 43.50 - 45.50   | 22RJ16      | 1.50     | 1.05    | 1.00               | 20              | 50  | 80   | -     |        | 1.99         | 3.23 |
| WR42         | 20.20 - 21.20   | 42RJ16      | 1.50     | 1.05    | 1.00               | 30              | 65  | 120  | -     |        | 1.25         | 3.00 |
| WR62         | 13.50 - 14.05   | 62RJ126     | 1.15     | 1.02    | 0.10               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 13.50 - 14.50   | 62RJ136     | 1.15     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.81         | 3.00 |
|              | 14.00 - 15.00   | 62RJ146     | 1.10     | 1.02    | 0.10               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 14.00 - 15.00   | 62RJ156     | 1.15     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.81         | 3.00 |
|              | 14.50 - 15.50   | 62RJ166     | 1.10     | 1.02    | 0.10               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 14.50 - 15.50   | 62RJ176     | 1.15     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.81         | 3.00 |
|              | 15.00 - 16.00   | 62RJ186     | 1.10     | 1.02    | 0.10               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 15.00 - 16.00   | 62RJ196     | 1.15     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.81         | 3.00 |
|              | 15.50 - 16.50   | 62RJ206     | 1.10     | 1.02    | 0.10               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 15.50 - 16.50   | 62RJ216     | 1.15     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.81         | 3.00 |
|              | 16.00 - 17.00   | 62RJ226     | 1.10     | 1.02    | 0.10               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 16.00 - 17.00   | 62RJ236     | 1.15     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.81         | 3.00 |
|              | 13.50 - 17.50   | 62RJ246     | 1.35     | 1.03    | 0.15               | 30              | 60  | 120  | -     |        | 1.81         | 3.00 |
|              | 13.50 - 15.50   | 62LM16      | 1.15     | 1.02    | 0.10               | 150             | 330 | 600  | -     |        | 1.62         | 1.10 |
| WR75         | 14.00 - 14.50   | 75RJ16      | 1.10     | 1.02    | 0.10               | 75              | 165 | 300  | -     |        | 1.50         | 3.50 |
|              | 13.75 - 14.50   | 75RJ26      | 1.10     | 1.02    | 0.10               | 30              |     |      | 600 W |        | 1.27         | 3.50 |
| WR90         | 8.20 - 9.00     | 90RJ246     | 1.10     | 1.02    | 0.10               | 175             | 350 | 675  | -     |        | 1.81         | 3.29 |
|              | 8.20 - 9.00     | 90RJ256     | 1.10     | 1.02    | 0.10               | 250             | 500 | 950  | -     |        | 1.81         | 3.29 |
|              | 8.50 - 9.60     | 90RJ266     | 1.10     | 1.02    | 0.10               | 175             | 350 | 675  | -     |        | 1.81         | 3.29 |
|              | 8.50 - 9.60     | 90RJ276     | 1.10     | 1.02    | 0.10               | 250             | 500 | 950  | -     |        | 1.81         | 3.29 |
|              | 9.00 - 10.00    | 90RJ286     | 1.10     | 1.02    | 0.10               | 175             | 350 | 675  | -     |        | 1.81         | 3.29 |
|              | 9.00 - 10.00    | 90RJ296     | 1.10     | 1.02    | 0.10               | 250             | 500 | 950  | -     |        | 1.81         | 3.29 |
|              | 9.50 - 10.50    | 90RJ306     | 1.15     | 1.02    | 0.10               | 175             | 350 | 675  | -     |        | 1.81         | 3.29 |
|              | 10.00 - 11.00   | 90RJ316     | 1.15     | 1.02    | 0.15               | 175             | 350 | 675  | -     |        | 1.81         | 3.29 |
|              | 8.20 - 10.00    | 90RJ326     | 1.25     | 1.04    | 0.15               | 175             | 350 | 675  | -     |        | 1.81         | 3.29 |
|              | 8.20 - 11.00    | 90RJ336     | 1.35     | 1.05    | 0.15               | 150             | 300 | 575  | -     |        | 1.81         | 3.29 |
| WR112        | 7.20 - 8.20     | 112RJ146    | 1.10     | 1.02    | 0.10               | 200             | 400 | 775  | -     |        | 2.25         | 4.00 |
|              | 7.50 - 8.50     | 112RJ156    | 1.10     | 1.02    | 0.10               | 200             | 400 | 775  | -     |        | 2.25         | 4.00 |
|              | 7.50 - 8.50     | 112RJ166    | 1.15     | 1.02    | 0.10               | 275             | 550 | 1050 | -     |        | 2.25         | 4.00 |
|              | 8.00 - 9.00     | 112RJ176    | 1.10     | 1.02    | 0.10               | 200             | 400 | 775  | -     |        | 2.25         | 4.00 |
|              | 8.00 - 9.00     | 112RJ186    | 1.15     | 1.02    | 0.10               | 275             | 550 | 1050 | -     |        | 2.25         | 4.00 |
|              | 8.50 - 9.60     | 112RJ196    | 1.10     | 1.02    | 0.10               | 200             | 400 | 775  | -     |        | 2.25         | 4.00 |
|              | 8.50 - 9.60     | 112RJ206    | 1.15     | 1.02    | 0.10               | 275             | 550 | 1050 | -     |        | 2.25         | 4.00 |
|              | 9.00 - 10.00    | 112RJ216    | 1.10     | 1.02    | 0.10               | 200             | 400 | 775  | -     |        | 2.25         | 4.00 |
|              | 8.00 - 10.00    | 112RJ226    | 1.20     | 1.03    | 0.10               | 200             | 400 | 775  | -     |        | 2.25         | 4.00 |
|              | WR137           | 5.80 - 6.80 | 137RJ26  | 1.10    | 1.02               | 0.10            | 350 | 700  | 1350  | 1925   |              | 2.62 |
| 6.50 - 7.50  |                 | 137RJ36     | 1.15     | 1.02    | 0.10               | 350             | 700 | 1350 | 1925  |        | 2.62         | 4.98 |
| 5.80 - 7.80  |                 | 137RJ46     | 1.30     | 1.03    | 0.15               | 350             | 700 | 1350 | 1925  |        | 2.62         | 4.98 |
| 5.80 - 8.40  |                 | 137RJ56     | 1.20     | 1.05    | 0.20               |                 |     |      |       | 1.6 KW | 2.76         | 4.98 |
| 5.85 - 6.425 |                 | 137RJ66     | 1.20     | 1.05    | 0.20               |                 |     |      |       | 6 KW   | 2.76         | 4.98 |
| WR159        | 5.80 - 6.40     | 159RJ26     | 1.15     | 1.02    | 0.10               | 400             | 800 | 1525 | 2200  |        | 3.00         | 5.65 |



# "I" Style Rotary Joints

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| BAND         | FREQ. RANGE GHz | MDL MODEL | VSWR MAX | WOW MAX | INSERTION LOSS MAX | PEAK POWER AT PRESSURE (PSIG) |      |      |      | CW     | HOUSING DIA. | HGT   |
|--------------|-----------------|-----------|----------|---------|--------------------|-------------------------------|------|------|------|--------|--------------|-------|
|              |                 |           |          |         |                    | 0                             | 15   | 30   | 45   |        |              |       |
| <b>WR187</b> | 5.4 - 5.9       | 187RJ66   | 1.10     | 1.02    | 0.10               | 450                           | 900  | 1725 | 2500 |        | 3.00         | 6.66  |
|              | 5.25 - 6.0      | 187RJ86   | 1.20     | 1.03    | 0.10               | 450                           | 900  | 1725 | 2500 |        | 3.00         | 6.66  |
|              | 4.8 - 5.2       | 187RJ96   | 1.15     | 1.02    | 0.10               | 450                           |      |      |      |        | 3.00         | 6.66  |
| <b>WR229</b> | 3.6 - 4.3       | 229RJ26   | 1.15     | 1.02    | 0.10               | 550                           | 1100 | 2100 | 3025 |        | 3.44         | 7.49  |
| <b>WR284</b> | 2.7 - 3.2       | 284RJ26   | 1.15     | 1.02    | 0.10               | 700                           | 1400 | 2650 | 3850 |        | 4.63         | 9.89  |
|              | 2.7 - 3.2       | 284RJ36   | 1.15     | 1.02    | 0.10               | 700                           | 1400 | 2650 | 3850 |        | 4.63         | 9.26  |
|              | 2.7 - 3.2       | 284RJ46   | 1.15     | 1.02    | 0.10               | 700                           | 1400 | 2650 | 3850 |        | 4.63         | 10.51 |
|              | 2.7 - 3.2       | 284RJ56   | 1.15     | 1.02    | 0.10               | 700                           | 1400 | 2650 | 3850 |        | 4.63         | 9.89  |
|              | 3.0 - 3.5       | 284RJ106  | 1.25     | 1.02    | 0.10               |                               |      | 1300 |      | 4.5 KW | 4.63         | 9.37  |

