

RECTANGULAR TO CIRCULAR WAVEGUIDE TRANSITION



→ Features

Waveguide size: WR2300 to WR10

Flange: Cover, Grooved and Choke

Length: up to 1000mm or others

Material: Al or Cu

→ Description

Dolph Microwave rectangular to circular waveguide transitions are available with a variety of flange types, length and waveguide size. Both standard and customized can be chosen in mechanical configurations upon request.

| Model | WR Type | Frequency (Ghz) | VSWR Max. | Length (mm) | Circular WG Dia. (mm) | Flange Type |
|-----------------|---------|-----------------|-----------|-------------|-----------------------|-------------|
| DH-14RCA157 | WR650 | 1.30-1.70 | ≤1.10 | 920 | 157 | UDR/UAR |
| DH-18RCA114.58 | WR510 | 1.45-2.20 | ≤1.10 | 820 | 114.58 | UDR/UAR |
| DH-22RCA97.87 | WR430 | 2.07-2.61 | ≤1.10 | 580 | 97.87 | UDR/UAR |
| DH-26RCA83.62 | WR340 | 2.42-3.30 | ≤1.10 | 500 | 83.62 | UDR/UAR |
| DH-32RCA71.42 | WR84 | 2.83-3.88 | ≤1.10 | 420 | 71.42 | UDR/UAR |
| DH-40RCA51.99 | WR229 | 3.22-4.90 | ≤1.10 | 350 | 51.99 | UDR/UAR |
| DH-48RCA44.45 | WR187 | 3.94-5.33 | ≤1.10 | 300 | 44.45 | UDR/UAR |
| DH-58RCA38.1 | WR159 | 5.3-7.05 | ≤1.10 | 230 | 38.1 | UDR/UAR |
| DH-70RCA32.537 | WR137 | 6.21-8.17 | ≤1.10 | 200 | 32.537 | UDR/UAR |
| DH-84RCA27.788 | WR112 | 7.30-9.97 | ≤1.10 | 200 | 27.788 | UDR/UAR |
| DH-100RCA23.825 | WR90 | 8.50-11.6 | ≤1.10 | 160 | 23.825 | UBR/UAR |
| DH-120RCA17.415 | WR75 | 11.6-15.0 | ≤1.10 | 130 | 17.415 | UBR/UAR |
| DH-140RCA15.088 | WR62 | 13.4-18.0 | ≤1.10 | 100 | 15.088 | UBR/UAR |
| DH-180RCA12.7 | WR51 | 15.9-21.8 | ≤1.15 | 100 | 12.7 | UBR/UAR |
| DH-220RCA9.525 | WR42 | 21.2-26.7 | ≤1.15 | 60 | 9.525 | UBR/UAR |
| DH-260RCA8.331 | WR34 | 24.3-33.0 | ≤1.15 | 60 | 8.331 | UBR/UAR |
| DH-320RCA7.137 | WR28 | 31.8-40.0 | ≤1.15 | 50 | 7.137 | UBR/UAR |
| DH-400RCA5.563 | WR22 | 36.4-49.8 | ≤1.15 | 50 | 5.563 | FUGP/UAR |
| DH-500RCA4.369 | WR19 | 46.3-59.6 | ≤1.15 | 40 | 4.369 | FUGP/UAR |
| DH-620RCA3.581 | WR15 | 56.6-75.8 | ≤1.15 | 30 | 3.581 | FUGP/UAR |
| DH-740RCA3.175 | WR12 | 63.5-87.2 | ≤1.15 | 30 | 3.175 | FUGP/UAR |
| DH-900RCA2.388 | WR10 | 84.8-112 | ≤1.15 | 20 | 2.388 | FUGP/UAR |

| Inside Finish | Body Finish | Material |
|------------------------|-----------------------------|----------|
| Iridite per MIL-C-5541 | Anticorrosion Black Painted | Al/Brass |
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Ordering Information

DH - 120 RCA 17.415 P M A 100

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|--------|-----------------------------------|
| DH | Dolph Microwave |
| 120 | WR75 |
| RCA | Rectangular to Circular Waveguide |
| 17.415 | Circular WG Dia. 17.415 mm |
| P | Flange Cover |
| M | Flange Grooved |
| A | Material Al |
| 100 | L=100 mm |