

# 180° Hybrid Couplers

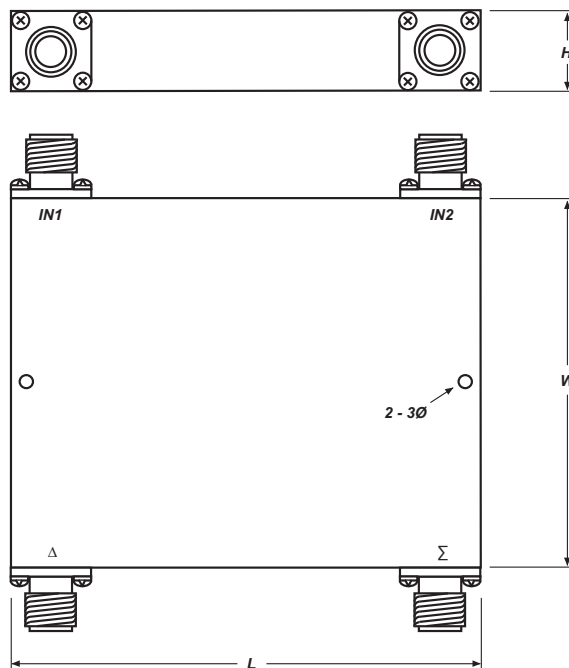
- 0.75 – 18.0GHz
- Miniature Stripline Design
- Narrow and Broadband Units
- High Isolation
- Low Loss



| General Specifications |                                 |
|------------------------|---------------------------------|
| Design                 | Stripline                       |
| Connectors             | SMA Female, Nickel Plated Brass |
| Operating Temperature  | -55 to +85C                     |
| Finish                 | Paint                           |

| Model No        | Frequency Range (GHz) | Insertion Loss (dB) max. | Isolation (dB) min. | VSWR max. | Amplitude Bal. (+/-dB) max. | Phase Bal. (+/-deg.) max. | Power Rating (W) | Size (L x W x H) (mm) |
|-----------------|-----------------------|--------------------------|---------------------|-----------|-----------------------------|---------------------------|------------------|-----------------------|
| AH180-007501500 | 0.75 - 1.5            | 0.6                      | 22                  | 1.30      | 0.5                         | 10                        | 50               | 98 x 60 x 13          |
| AH180-010020    | 1- 2                  | 0.6                      | 22                  | 1.35      | 0.5                         | 10                        | 50               | 76 x 60 x 13          |
| AH180-020040    | 2 – 4                 | 0.6                      | 20                  | 1.35      | 0.5                         | 10                        | 50               | 48 x 53 x 13          |
| AH180-020180    | 2-18                  | 2.0                      | 15                  | 1.80      | 1.2                         | 12                        | 50               | 82 x 36 x 11          |
| AH180-040080    | 4-8                   | 0.8                      | 15                  | 1.50      | 0.5                         | 10                        | 80               | 65 x 36 x 11          |
| AH180-040180    | 4-18                  | 1.8                      | 15                  | 1.80      | 1.2                         | 10                        | 50               | 48 x 36 x 11          |

The above models are representative of our most popular units, but please contact us if you are not able to see the frequency range you require.



Outline is a typical illustration only, for detailed outlines please consult factory

Dimensions are in mm

We reserve the right to change standard product specifications without notice but will be pleased to consider control drawings for quotation.