



OVERVIEW

BRIDGE Hybrid Coupler/Combiner is the product to fast combine two signals and mix them as output, without requirement of guard band to those two signals. It is simple combiner but with basic isolation requirement to avoid extra interference. In coverage system, usually is used at the front side or end side of system.

BRIDGE Hybrid Coupler/Combiner uses wide band technology to coverage the wide band range signals from 340-500MHz. which is good to provide high data transmission coverage needs.

In the section of materials selection, Bridge products are all made of good and rugged materials, which make sure long product working life and stable working performance.

FEATURES

- 2X2 ports and wide working range from 340-500MHz.
- Typical 3dB split loss plus the low insertion loss.
- Connectors is available at N type, Din type and 4.3-10 type.
- High IP Class reach to IP65 and support working in bad installation environment.

TECHNICAL DATA

Electrical Specifications

| | |
|-----------------|------------|
| Frequency Range | 340-500MHz |
| Insertion loss | ≤3.1±0.6dB |
| VSWR | ≤1.23 |
| Isolation | ≥28dB |
| Power Rating | 300W |
| Impedance | 50Ω |

Mechanical Specifications

| | |
|----------------|-----------------|
| Connector Type | N Female |
| Port Matrix | 2 x 2 |
| Dimensions | 252 X 47 X 40mm |
| Weight | 0.75kg |
| Color | Black |

Environmental Specifications

| | |
|-------------|------------------------|
| Temperature | -30°C~+75°C |
| Humidity | ≤95% |
| IP Rating | IP65, Indoor & Outdoor |

Installation Specifications

| | |
|---------------------|---------------|
| Installation Method | Wall Mounting |
|---------------------|---------------|

Product



Unit measurements in mm

[Disclaimer: All images are for reference purposes only](#)

Revised | B.1.1

Important Notice: Information contained in this data sheet is believed to be reliable at the date of issue, however accuracy and completeness is not guaranteed.

Bridge Components holds the right to change the product specifications without notice.