

15-UEAE42R-01B | CAVITY POWER SPLITTER

Frequency: 698-2700MHz | Split: 2 Ways | Connector: 4.3-10 Female | PIM: -153dBc | Power: 200W

Usage: Indoor & Outdoor | Type: Round

OVERVIEW

BRIDGE Cavity Splitter is the product to split power by equal ways. High power handling is one of the cavity splitter features. This product is widely used in indoor signal coverage to distribute the power to antenna points.

BRIDGE Cavity Splitter adopts wide band technology to cover wide band frequency range 698-2700MHz. Its PIM value optionally reaches -160dBc by the Low PIM and fully plating technologies, which is rather good to fulfill the demands of high data transmission rate, broadly deployed with GSM /WCDMA /LTE /NR networks.

In the section of material selection, Bridge products are all made of good and rugged stuffs, ensuring stable performance and long product life.

FEATURES

- Wide operation frequency range 698-2700MHz
- Connector is available at N, 4.3-10, and DIN.
- High IP Class reaching IP65 supports operation at harsh circumstance.
- Round and Square cavity body are two main series.
- High power handling

Product



*Reference

Unit measurements in mm

Disclaimer: All images are for reference purposes only

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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.

TECHNICAL DATA

Electrical Specifications

| | |
|---------------------|--------------|
| Frequency Range | 698-2700MHz |
| Split | 2 Way |
| Split Loss | ≤3.0dB |
| Insertion Loss | ≤0.3dB |
| VSWR /Return Loss | ≤1.25 /-19dB |
| PIM:IM3 (@2x43dBm) | ≤-153dBc |
| Max Power per Input | ≥200W |
| Impedance | 50Ω |

Mechanical Specifications

| | |
|-----------------------|-------------------------|
| Connector | 4.3-10 Female |
| Dimension | 158.6 x25 x25mm |
| Weight | 0.21kg |
| Color | Black |
| Number of Input Port | 1 |
| Number of Output Port | 2 |
| Inner Contact Plating | Aluminum /Silver /Brass |
| Outer Contact Plating | Aluminum /Trimetal |

Environmental Specifications

| | |
|-------------------|------------------------|
| Temperature | 0°C ~ +65°C |
| Relative Humidity | 5 ~ 95% |
| IP Rating | IP65, Indoor & Outdoor |

Installation Specifications

| | |
|------------------------|---------------------------------------|
| Installation Method | Wall /Pole Mounting |
| Accessory | 2x Inox Belt |
| Marking on the Product | Name of Manufacture, Product Code ... |