

## DATA SHEET

# 15-UEACXXS-01 | CAVITY POWER SPLITTER

Frequency: 698-2700MHz | Splits: 2/3/4 Way | Connector: DIN Female | PIM: -150/-155/-160dBc

Usage: Indoor & Outdoor | Power : 300W | Type: Square



## OVERVIEW

BRIDGE Cavity Splitter is the product to split power by equal ways, usually it includes 2 ways, 3 ways and 4 ways. High power handling is the cavity splitter feature. Widely used indoor signal coverage to distribute the power to antenna points.

BRIDGE Cavity Splitter is using wide band technology to coverage the wide band range signals from 698-2700Mhz. Reach -160dBc PIM value by Low PIM and fully plating technology, which is good to provide high data transmission coverage needs. Widely used GSM /WCDMA / LTE network.

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

- Wide working range from 698-2700Mhz
- 2ways, 3 ways and 4 ways is standard types, any more 4 ways is customized as optional
- PIM level is optional at -150 dBc/ -155dBc/ -160dBc
- 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
- Round and Square cavity body is main two series
- High power handling

## TECHNICAL DATA

| Part Number              |          |               |               |               |
|--------------------------|----------|---------------|---------------|---------------|
| Splits                   |          | 2 Way         | 3 Way         | 4 Way         |
| PIM:IM3<br>(2X43<br>dBm) | ≤-150dBc | 15-UEAC32S-O1 | 15-UEAC33S-O1 | 15-UEAC34S-O1 |
|                          | ≤-155dBc | 15-UEAC52S-O1 | 15-UEAC53S-O1 | 15-UEAC54S-O1 |
|                          | ≤-160dBc | 15-UEAC72S-O1 | 15-UEAC73S-O1 | 15-UEAC74S-O1 |

## Electrical Specifications

|                   |             |        |        |
|-------------------|-------------|--------|--------|
| Frequency Range   | 698-2700MHz |        |        |
| Distribution Loss | 3.0dB       | 4.8dB  | 6.0dB  |
| Insertion loss    | ≤0.3dB      | ≤0.4dB | ≤0.5dB |
| Return loss       | ≤-19dB      |        |        |
| Power Rating      | 300W        |        |        |
| Impedance         | 50Ω         |        |        |

## Product



## Mechanical Specifications

|                |               |               |               |
|----------------|---------------|---------------|---------------|
| Connectors     | DIN Female    |               |               |
| Dimensions(mm) | 199 x 25 x 25 | 234 x 25 x 25 | 236 x 25 x 25 |
| Weight         | 0.45kg        | 0.50kg        | 0.54kg        |
| Color          | Black         |               |               |

## Environmental Specifications

|             |                        |
|-------------|------------------------|
| Temperature | -25°C~+65°C            |
| Humidity    | ≤95%                   |
| IP Rating   | IP65, Indoor & Outdoor |

## Installation Specifications

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

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.