




## Unequal Divider/Tapper

RFS TPS® series of Tappers unevenly split high power cellular signals in fixed ratios from 30:1 to 2:1 with minimal reflections or loss over the wireless bands in the range 350 - 2700 MHz. 

The innovative asymmetric design ensures an excellent input VSWR and coupling flatness across the band. The lightweight design allows easy attachment to a wall.

Designed with only a few solder joints and an air dielectric, loss is minimized and reliability enhanced.

### FEATURES / BENEFITS

- ➞ Splits in ratio 10:1
- ➞ Small size and weight
- ➞ 200 Watt average power rating
- ➞ Minimal RF insertion loss
- ➞ High reliability
- ➞ N-female connectors
- ➞ Low PIM

### Technical Features

#### STRUCTURE

|                        |  |                        |
|------------------------|--|------------------------|
| Product Type           |  | Unequal Divider/Tapper |
| Techn. Application     |  | Indoor                 |
| Number of Input Ports  |  | 1                      |
| Number of Output Ports |  | 2                      |
| Connector Type         |  | N female               |

#### ELECTRICAL SPECIFICATIONS

|                                  |         |                           |
|----------------------------------|---------|---------------------------|
| Frequency Range                  | MHz     | 350 - 960<br>1710 - 2700  |
| Impedance                        | Ohm     | 50                        |
| Insertion Loss max.              | dB      | 0.4                       |
| Max. VSWR / Return Loss          | VSWR/dB | 1.30                      |
| Intermodulation (IM3)            |         | 150 dBc with 2x20 W tones |
| Coupling Value                   | dB      | 10.4                      |
| Coupling Flatness max.           | dB      | ±1.5                      |
| Power Ratio - between Outputs    | dB      | 10:1/10.0                 |
| Input Power (Splitter mode) avg. | W       | 200                       |

#### TEMPERATURE SPECIFICATIONS

|                   |         |                         |
|-------------------|---------|-------------------------|
| Temperature Range | °C (°F) | -10 to +55 (14 to +131) |
|-------------------|---------|-------------------------|

#### MECHANICAL SPECIFICATIONS

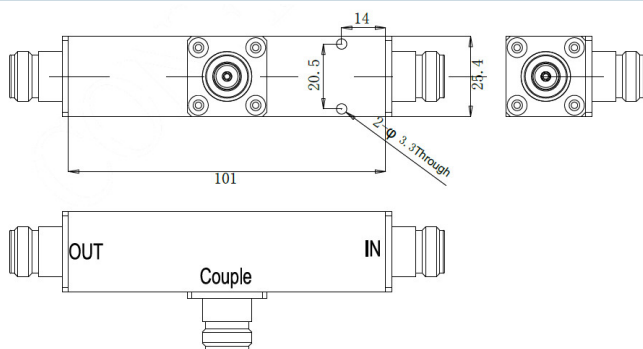
|        |         |             |
|--------|---------|-------------|
| Height | mm (in) | 101 (3.98)  |
| Width  | mm (in) | 25 (0.98)   |
| Length | mm (in) | 25 (0.98)   |
| Weight | kg (lb) | 0.26 (0.57) |

#### TESTING AND ENVIRONMENTAL

|                     |  |      |
|---------------------|--|------|
| Environmental Class |  | IP65 |
|---------------------|--|------|



## Unequal Divider/Tapper



Dimensions in mm

### External Document Links

### Notes