



RFS TPS\* Tapper product family has been designed to support a variety of wireless applications in the frequency band from 694 to 3800MHz. The units couple off a defined fraction of a RF signal from typically 3 to 30 dB with minimal reflections or loss. The broad frequency range is ideally suited for 3G / 4G / 5G multi-band distributed antenna systems or in combination with RADIAFLEX® radiating cables. Notably, these products feature a low level of network interferences due to their PIM optimized desing.

### Features / Benefits

- **Split ratio 6:1 / 8dB**
- **Minimized RF insertion loss**
- **PIM optimized desing**
- **Small size and weight**
- **N-female connectors**

## Technical Features

### STRUCTURE

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

### MECHANICAL SPECIFICATIONS

|        |                 |
|--------|-----------------|
| Height | 47.4mm (1.87in) |
| Width  | 19.5mm (0.77in) |
| Length | 79.8mm (3.14in) |

### ELECTRICAL SPECIFICATIONS

|                          |                  |
|--------------------------|------------------|
| Impedance                | 50 $\Omega$      |
| Frequency Range          | 694 - 3800 MHz   |
| Return Loss ( max. VSWR) | 17.7 dB (1.3)    |
| Insertion Loss max.      | 0.8 dB           |
| Intermodulation (IM3)    | 155dBc (2x43dBm) |
| Coupling Value           | 8.5 dB           |
| Total Input Power        | 200 W            |

### TEMPERATURE SPECIFICATIONS

|                   |                                |
|-------------------|--------------------------------|
| Temperature Range | -25°C to 65°C (-13°F to 149°F) |
|-------------------|--------------------------------|

### TESTING AND ENVIRONMENTAL

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

[External Document Links](#)[Notes](#)