



**TPS15-43-694/3800**  
Unequal Divider/Tapper



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 30:1 / 15dB**
- **4.3-10-female interfaces**
- **PIM optimized design (160dBc @2x43dBm)**
- **Low insertion loss**
- **High power handling**
- **Small size, Low weight**

**Technical Features**

**STRUCTURE**

|                        |                        |
|------------------------|------------------------|
| Product Type           | Unequal Divider/Tapper |
| Number of Input Ports  | 1                      |
| Number of Output Ports | 2                      |
| Connector Type         | 4.3-10 female          |

**MECHANICAL SPECIFICATIONS**

|        |                 |
|--------|-----------------|
| Height | 49.7mm (1.96in) |
| Width  | 19.5mm (0.77in) |
| Length | 84.3mm (3.32in) |

**ELECTRICAL SPECIFICATIONS**

|                          |                  |
|--------------------------|------------------|
| Impedance                | 50 Ω             |
| Frequency Range          | 694 - 3800 MHz   |
| Return Loss ( max. VSWR) | 17.7 dB (1.3)    |
| Insertion Loss max.      | 0.2 dB           |
| Intermodulation (IM3)    | 160dBc (2x43dBm) |
| Coupling Value           | 15.3 dB          |
| Total Input Power        | 400 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