



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

- **Splits in ratio 3:1 / 5dB**
- **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	42mm (1.65in)
Width	28.5mm (1.12in)
Length	28.5mm (1.12in)

ELECTRICAL SPECIFICATIONS

Impedance	50 Ω
Frequency Range	694 - 3800 MHz
Return Loss (max. VSWR)	15.5 dB (1.4)
Insertion Loss max.	1.3 dB
Intermodulation (IM3)	155 dBc at 2 x 20W
Coupling Value	4.8 dB
Input Power (Splitter mode) avg.	200 W

TEMPERATURE SPECIFICATIONS

Temperature Range	-10°C to 55°C (14°F to 131°F)
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TESTING AND ENVIRONMENTAL

Environmental Class	IP65
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External Document Links

Notes