



TPS15E-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
- N-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	N 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	200 W

TEMPERATURE SPECIFICATIONS

Temperature Range	-25°C to 65°C (-13°F to 149°F)
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TESTING AND ENVIRONMENTAL

Environmental Class	IP65
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External Document Links

Notes