



RFS Technologies 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 10:1 / 10dB**
- **7-16-female interfaces**
- **PIM optimized design (160dBc @2x43dBm)**
- **Low insertion loss**
- **High power handling**
- **Small size, Low weight**



TPS10-43-694/3800 (similar product illustration)

Technical features

STRUCTURE

Product Type		Unequal Divider/Tapper
Techn. Application		Indoor
Number of Input Ports		1
Number of Output Ports		2

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	694 - 3800
Connector Type		7-16 female
Max. VSWR / Return Loss	VSWR/dB	1.30/17.7 (1.3)
Insertion Loss max.	dB	0.5
Coupling Value	dB	10.5
Coupling Flatness max.	dB	+1.0 / -2.0
Intermodulation (IM3)		160dBc (2x43dBm)
Impedance	Ohm	50
Total Input Power	W	200

TEMPERATURE SPECIFICATIONS

Temperature Range	°C (°F)	-25 to +65 (-13 to +149)
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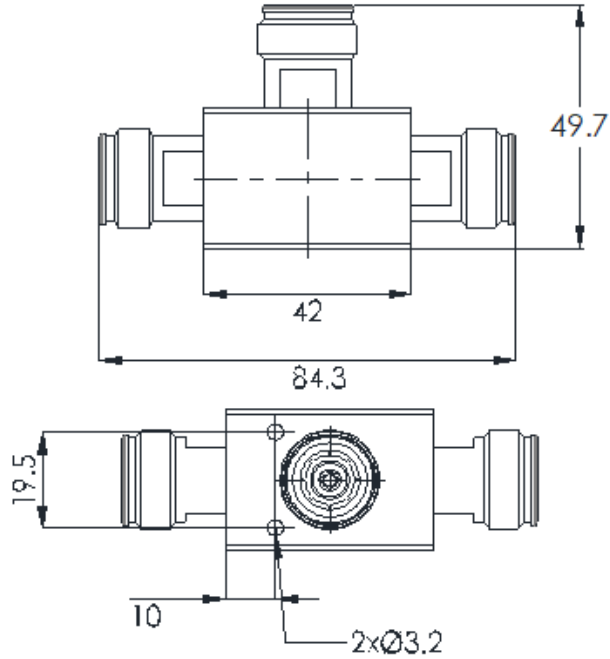
MECHANICAL SPECIFICATIONS

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



TESTING AND ENVIRONMENTAL

Environmental Class		IP65
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External Document Links

Notes