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 6:1 / 8dB
- 4.3-10-female interfaces
- · PIM optimized design (160dBc @2x43dBm)
- · Low insertion loss
- · High power handling
- · Small size, Low weight



TPS8-43-694/3800 (similar product illustration)

Technical features

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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		4.3-10 female
Max. VSWR / Return Loss	VSWR/dB	1.30/17.7 (1.3)
Insertion Loss max.	dB	0.8
Coupling Value	dB	8.5
Coupling Flatness max.	dB	+1.0 / -2.0
Intermodulation (IM3)		160dBc (2x43dBm)
Impedance	Ohm	50
Total Input Power	W	400

TEMPERATURE SPECIFICATIONS

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

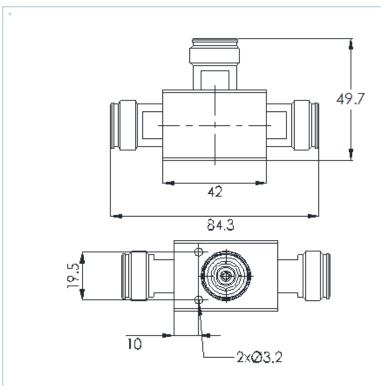
MECHANICAL SPECIFICATIONS

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

TPS8-43-694/3800 REV : B REV DATE : 27 May 2020 www.rfstechnologies.com



External Document Links

Notes

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