RFS Technologies TPS\* Tapper product family has been designed to support a variety of wireless applications in the frequency band from 555 to 6000MHz. 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 100:1 / 20dB
- 4.3-10-female interfaces
- · PIM optimized design (160dBc @2x43dBm)
- · Low insertion loss
- · High power handling
- · Small size, Low weight



TPS20-43-555/6000 (similar product illustration)

# **Technical features**

## **STRUCTURE**

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

### **ELECTRICAL SPECIFICATIONS**

Frequency Range	MHz	555 - 6	5000
Connector Type		4.3- fem	. •
Max. VSWR / Return Loss	VSWR/dB	1.30/ (1.3	
Insertion Loss max.	dB	0.6	5
Coupling Value	dB	20.	1
Coupling Flatness max.	dB	+2.5 /	-2.5
Intermodulation (IM3)		160d (2x43d	

Impedance	Ohm	50
Total Input Power	W	300

# **TEMPERATURE SPECIFICATIONS**

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

# **MECHANICAL SPECIFICATIONS**

Height	mm (in)	51.2 (2.02)
Width	mm (in)	28.5 (1.12)
Length	mm (in)	87.3 (3.44)

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TPS20-43-555\_6000\_Drawing

External Document Links Link to VEX Zip file

Notes

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