

PRODUCT DATASHEET TPS15-43-694/3800 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.



TPS15-43-694/3800 (similar product illustration)

- Split ratio 30:1 / 15dB
- 4.3-10-female interfaces
- PIM optimized design (160dBc @2x43dBm)
- $\boldsymbol{\cdot}$ Low insertion loss

FEATURES / BENEFITS

- High power handling
- Small size, Low weight

Technical features

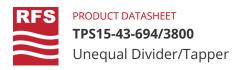
STRUCTURE

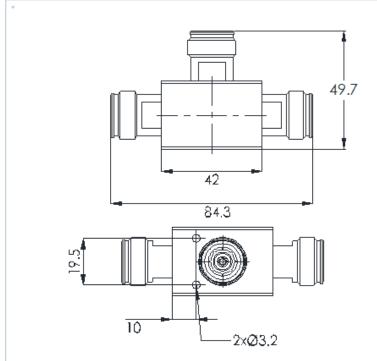
Product Type	Unequal Divider/Tapper
Techn. Application	Indoor
Number of Input Ports	1
Number of Output Ports	2

ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	694 -	3800)	
Connector Type			-10 nale		
Max. VSWR / Return Loss	VSWR/dB		/17.7 .3)		
Insertion Loss max.	dB	0	.2		
Coupling Value	dB	1	5.3		
Coupling Flatness max.	dB	+2.0	/ -2.0		
Intermodulation (IM3)			dBc dBm))	
mpedance			0	Ohm	50
tal Input Power				W	400
MPERATURE SPE	CIFICATIO	NS			
emperature Range		°C (°F)		-25 to +65 (-13 to +149)	
CHANICAL SPE		IS			
eight	mm (in)		nm (in)	49.7 (1.96)	
idth mm (in		nm (in)	19.5 (0.77)		
ength			mr	nm (in)	84.3 (3.32)
ESTING AND ENV	IRONMEN	TAL			
nvironmental Cla	22				IP65

REV DATE : 27 May 2020





External Document Links

Notes