

**TPS20-43-617/3800-ECO**

20dB Unequal Divider/Tapper



Technical Features

PRODUCT DESCRIPTION

RFS TPS* Tapper product family has been designed to support a variety of wireless applications in the frequency band from 617 to 3800MHz. The units couple off a defined fraction of a RF signal from typically 5 to 30 dB with minimal reflections or loss. The broad frequency range is ideally suited for 3G / 4G and 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

Broadband 617-3800MHz

4.3-10-female interfaces

PIM optimized design

Ideal for all kind of DAS applications

Low insertion loss

High power handling

Small size, low weight

TECHNICAL FEATURES

Electrical Specifications

Frequency Range	MHz	617-3800
Input Power	W	400
PIM 3rd @2*43 dBm	dBc	160
Input Impedance	Ohm	50
Max. VSWR / Return Loss	VSWR / dB	1.30/17.7 (1.3)

Mechanical Specifications

Connectors		4.3-10 Female
Number of Input Ports		1
Number of Output Ports		2
Temperature Range	°C	-25 to +65
IP Level		IP65
RoHS		Compliant
Dimensions Height*Width*Length	mm	49,7*19,5*84,3

Model Number Specifications

Model Number		TPS5-43-617/3800-ECO	TPS6-43-617/3800-ECO	TPS8-43-617/3800-ECO	TPS10-43-617/3800-ECO
Coupling Value	dB	5.1	6.1	8.5	10.5
Insertion Loss	dB	1.4	1.1	0.8	0.5
Power Ratio between Outputs	dB	3:1 / 5	4:1 / 6	6:1 / 8	10:1 / 10
Coupling Flatness max.	dB	+ 1 / -2			

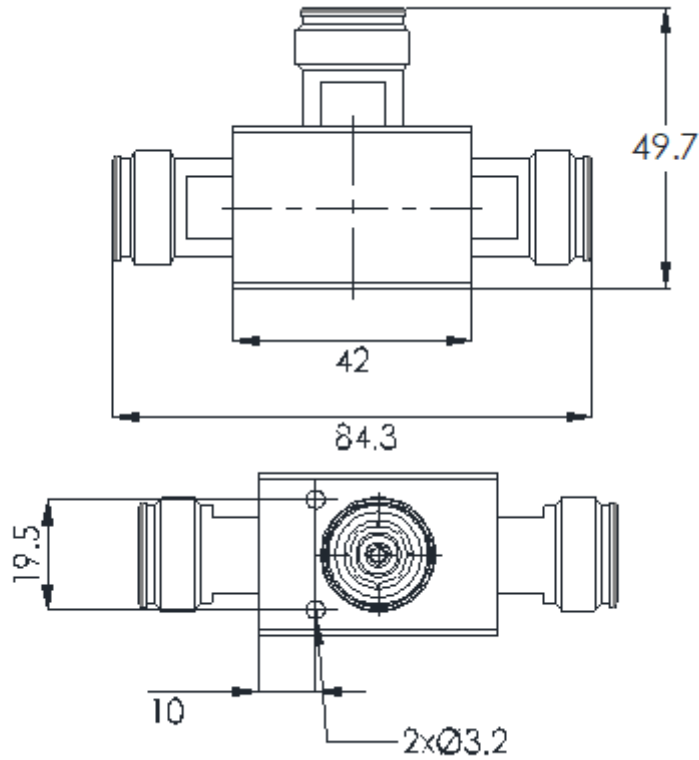
Model Number Specifications

Model Number		TPS13-43-617/3800-ECO	TPS15-43-617/3800-ECO	TPS20-43-617/3800-ECO	TPS30-43-617/3800-ECO
Coupling Value	dB	13	15.3	20.1	30.1
Insertion Loss	dB	0.3	0.2	0.2	0.2
Power Ratio between Outputs	dB	20:1 / 13	30:1 / 15	100:1 / 20	1000:1 / 30
Coupling Flatness max.	dB	+2.0 / -2.0			



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Product Drawing

[External Document Links](#)

[Notes](#)