

# Public Safety Tappers

Low PIM 138-960 MHz

ventev®

Connect, Protect, and Enable™

Ventev's Public Safety Tappers cover 138-960 MHz of frequency range and support P25, DMR, and TETRA in VHF and UHF, 700/800 MHz, FirstNet as well as 850/GSM 900. Highly reliable design offers low insertion and return losses along with low PIM (-153 dBc). It is suitable for indoor and outdoor design (IP65). Available in N-F connector.

## Products

Description	Tapper with N-Type Female Connector	
	MFG Part #	SKU
3 dB (2:1) Tapper	VEN-03TAP-196-NF	608393
5 dB (3:1) Tapper	VEN-05TAP-196-NF	608395
6 dB (4:1) Tapper	VEN-06TAP-196-NF	608396
8 dB (6:1) Tapper	VEN-08TAP-196-NF	608390
10 dB (10:1) Tapper	VEN-10TAP-196-NF	605688
15 dB (30:1) Tapper	VEN-15TAP-196-NF	608391
20 dB (100:1) Tapper	VEN-20TAP-196-NF	608394
30 dB (1000:1) Tapper	VEN-30TAP-196-NF	608389



## Features & Benefits

- Covers 138-960 MHz supporting Public Safety bands in VHF, UHF, 700/800, FirstNet, and 850/GSM 900.
- Low PIM (-153 dBc) reliable design with minimal return loss and an excellent coupling flatness.
- Suitable for indoor and outdoor applications.
- Compact size and light weight; Easy to install.

## Electrical Specifications

MFG Part #	VEN-03TAP-196-xF	VEN-05TAP-196-xF	VEN-06TAP-196-xF	VEN-08TAP-196-xF	VEN-10TAP-196-xF	VEN-15TAP-196-xF	VEN-20TAP-196-xF	VEN-30TAP-196-xF
<b>Nominal Power Split Ratio</b>	<b>2:1 (3 dB)</b>	<b>3:1 (5 dB)</b>	<b>4:1 (6 dB)</b>	<b>6:1 (8 dB)</b>	<b>10:1 (10 dB)</b>	<b>30:1 (15 dB)</b>	<b>100:1 (20 dB)</b>	<b>1000:1 (30 dB)</b>
<b>Output Split, Main/Branch (dB)</b>	-2.3/-4.8	-1.8/-6.1	-1.6/-7.0	-0.7/-8.5	-0.9/-10.4	-0.5/-15.3	-0.4/-20.1	-0.3/-30.1
<b>Coupling (dB)</b>								
<b>138-200</b>	-7.2 ±0.9	-7.8 ±0.7	-8.5 ±0.7	-10.0 ±0.7	-11.5 ±0.8	-16.5 ±0.8	-20.7 ±1.0	-30.7 ±1.0
<b>200-250</b>	-6.5 ±0.7	-6.8 ±0.6	-8.0 ±0.6	-9.5 ±0.6	-10.7 ±0.7	-15.6 ±0.8	-20.1 ±1.0	-30.1 ±1.0
<b>250-380</b>	-6.0 ±0.6	-6.4 ±0.6	-7.8 ±0.6	-9.0 ±0.6	-10.3 ±0.7	-15.5 ±0.8	-20.0 ±1.0	-30.1 ±1.0
<b>380-520</b>	-5.5 ±0.6	-6.1 ±0.6	-7.5 ±0.6	-8.5 ±0.6	-10.1 ±0.7	-15.2 ±0.8	-20.1 ±1.0	-30.1 ±1.0
<b>698-960</b>	-4.8 ±0.6	-6.1 ±0.6	-7.0 ±0.5	-7.8 ±0.5	-9.9 ±0.5	-15.4 ±0.5	-20.1 ±0.8	-30.1 ±0.8
<b>VSWR</b>								
<b>138-380</b>	≤1.4	≤1.4	≤1.3	≤1.3	≤1.25	≤1.25	≤1.25	≤1.25
<b>380-960</b>	≤1.35	≤1.35	≤1.35	≤1.35	≤1.25	≤1.25	≤1.25	≤1.25
<b>3rd Order PIM</b>	≤-153 dBc at 2x43 dBm Carrier							
<b>Power Rating</b>	200 W Average							
<b>Impedance</b>	50 Ohms							
<b>Connectors</b>	N-Female							



All product specifications are subject to change without notice or obligation.

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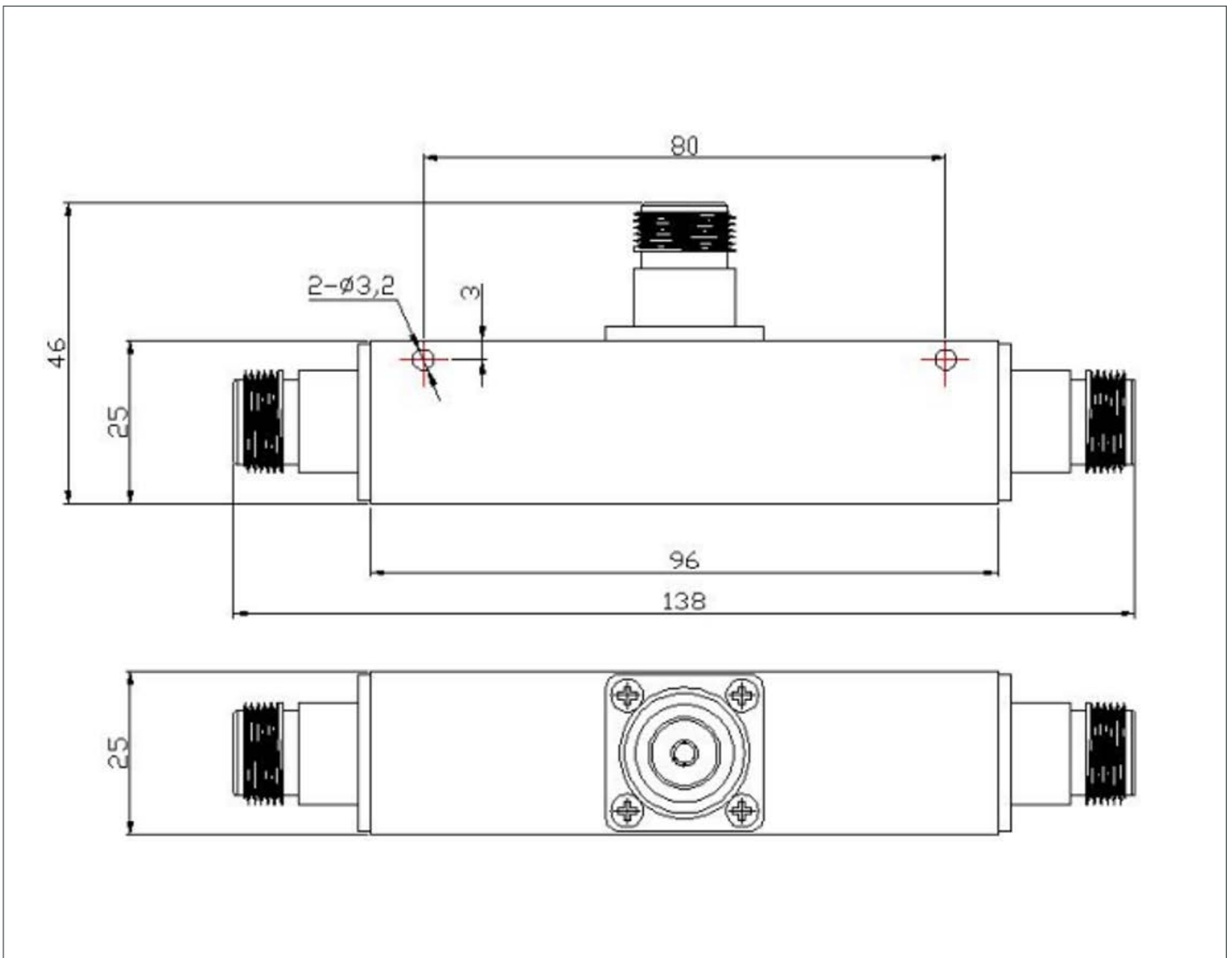
## Mechanical Specifications

Dimensions	3.78 x 1 x 1 in.
Product Weight	0.6 lb.
Body & Color	Aluminum, Red
Mounting	Bracket Included

## Environmental Specifications

Ingress Protection	IP65
Operating Temperature	-31 to 149°F
Operating Humidity	Up to 95%

## Tapper



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