

# CNNPX310R-6P



6-port sector antenna, 2x 824–960 and 4x 1710–2170 MHz, 65° HPBW, 3x RET with manual override.

- Integrated Internal Remote Electrical Tilt (RET), with independent control of electrical tilt with manual override on all arrays

## OBSOLETE

This product was discontinued on: November 30, 2023

### Replaced By:

RVV-65D-R3VB

6-port sector antenna, 2x 694–960 and 4x 1695–2690 MHz, 65° HPBW, 3x RET

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	Polyester fiberglass pultrusion
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	6

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Male
<b>RET Interface, quantity</b>	1 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	High band (2)   Low band (1)
<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W

# CNNPX310R-6P

**Protocol** 3GPP/AISG 2.0 (Single RET)

## Dimensions

**Width** 370 mm | 14.567 in

**Depth** 120 mm | 4.724 in

**Length** 2630 mm | 103.543 in

**Net Weight, without mounting kit** 36.5 kg | 80.469 lb

## Electrical Specifications

**Impedance** 50 ohm

**Operating Frequency Band** 1710 – 2170 MHz | 824 – 960 MHz

**Polarization** ±45°

## Electrical Specifications

Frequency Band, MHz	824–890	890–960	1710–1880	1920–2170
Gain, dBi	17	17.5	16.8	17.8
Beamwidth, Horizontal, degrees	67	62	68	63
Beamwidth, Vertical, degrees	7.5	7	7.2	6.5
Beam Tilt, degrees	0–10	0–10	0–10	0–10
USLS (First Lobe), dB	18	18	18	18
Front-to-Back Ratio at 180°, dB	25	25	25	25
Isolation, Cross Polarization, dB	30	30	30	30
VSWR   Return loss, dB	1.43   15.0	1.43   15.0	1.43   15.0	1.43   15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150
Input Power per Port, maximum, watts	500	500	300	300

## Mechanical Specifications

**Wind Loading @ Velocity, maximum** 1,430.0 N @ 160 km/h (321.5 lbf @ 160 km/h)

**Wind Speed, maximum** 200 km/h (124 mph)

## Packaging and Weights

**Width, packed** 440 mm | 17.323 in

**Depth, packed** 216 mm | 8.504 in

**Length, packed** 2755 mm | 108.465 in

# CNNPX310R-6P

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**Weight, gross**

38.5 kg | 84.878 lb

## Regulatory Compliance/Certifications

**Agency****Classification**

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

REACH-SVHC

Compliant as per SVHC revision on [www.andrew.com/ProductCompliance](http://www.andrew.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant

## Included Products

T-029-GL-E

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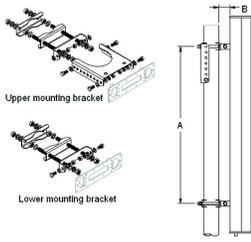
Adjustable Tilt Pipe Mounting Kit for 2.362"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

## \* Footnotes

**Performance Note**

Severe environmental conditions may degrade optimum performance

# T-029-GL-E



Adjustable Tilt Pipe Mounting Kit for 2.362"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

## Product Classification

**Product Type** Adjustable tilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Length, maximum** 2850 mm | 112.205 in

**Compatible Length, minimum** 1500 mm | 59.055 in

**Compatible Diameter, maximum** 115 mm | 4.528 in

**Compatible Diameter, minimum** 60 mm | 2.362 in

**Antenna-to-Pipe Distance** 85 mm | 3.346 in

**Bracket-to-Bracket Distance** 1400 mm | 55.118 in

**Weight, net** 6 kg | 13.228 lb

## Material Specifications

**Material Type** Galvanized steel

## Mechanical Specifications

**Mechanical Tilt** 0°-8°

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives

# T-029-GL-E

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CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

