## 5NPX1006F



10-port multibeam antenna, 10x 1710–2180 MHz, 5x 10-14° HPBW, fixed electrical tilt

This product will be discontinued on: November 30, 2024

Replaced By:

6V-10M-F6 12-port multibeam antenna, 12x 1695–2690 MHz, 6x 10-14° HPBW, fixed electrical tilt

6VV-10A-F6 24-port multibeam antenna, 24x 1695–2690 MHz, 6x 10-14° HPBW, fixed electrical tilt, 1.3m length

### General Specifications

Antenna Type Multibeam

Band Single band

**Color** Light Gray (RAL 7035)

**Grounding Type**RF connector inner conductor and body grounded to reflector and mounting bracket

Performance NoteOutdoor usageRadome MaterialASA, UV stabilized

Radiator Material Brass | Low loss circuit board

Reflector Material Aluminum

**RF Connector Interface** 7-16 DIN Female

RF Connector Location Bottom
RF Connector Quantity, high band 10
RF Connector Quantity, total 10

**Dimensions** 

 Width
 864 mm | 34.016 in

 Depth
 202 mm | 7.953 in

 Length
 889 mm | 35 in

 Net Weight, without mounting kit
 29.5 kg | 65.036 lb

**Electrical Specifications** 

**Impedance** 50 ohm

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## 5NPX1006F

Operating Frequency Band 1710 – 2180 MHz

Polarization ±45°

### **Electrical Specifications**

Frequency Band, MHz	1710-1920	1920-2180
Gain, dBi	21.7	22.3
Beamwidth, Horizontal, degrees	13	12
Beamwidth, Vertical, degrees	11.9	10.9
Beam Tilt, degrees	6	6
USLS (First Lobe), dB	14	16
Front-to-Back Ratio at 180°, dB	32	34
CPR at Boresight, dB	10	10
Isolation, Same Beam, dB	25	25
VSWR   Return loss, dB	1.43   15.0	1.43   15.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power per Port, maximum, watts	300	300

### Electrical Specifications, BASTA

Frequency Band, MHz	1710-1920	1920-2180
Gain by all Beam Tilts, average, dBi	20.7	21.3
Gain by all Beam Tilts Tolerance, dB	±2	±1.7
Beamwidth, Horizontal Tolerance, degrees	±2.1	±1.7
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7
USLS, beampeak to 20° above beampeak, dB	17	18
Front-to-Back Total Power at 180° ± 30°, dB	30	32
CPR at Boresight, dB	9	10

### Mechanical Specifications

**Wind Loading @ Velocity, frontal** 931.0 N @ 150 km/h (209.3 lbf @ 150 km/h)

Wind Speed, maximum 250 km/h (155 mph)

### Packaging and Weights

 Width, packed
 977 mm | 38.465 in

 Depth, packed
 349 mm | 13.74 in



## 5NPX1006F

 Length, packed
 1038 mm | 40.866 in

 Weight, gross
 46.5 kg | 102.515 lb

### Regulatory Compliance/Certifications

Agency Classification

CE Compliant with the relevant CE product directives

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 www.commscope.com/ProductCompliance

ROHS Compliant UK-ROHS Compliant



#### Included Products

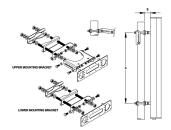
T-045-GL-E – Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

#### \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance



## T-045-GL-E



Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.

#### **Product Classification**

**Product Type** Adjustable tilt mounting kit

General Specifications

ApplicationOutdoorColorSilver

**Dimensions** 

Compatible Length, maximum1200 mm | 47.244 inCompatible Length, minimum850 mm | 33.465 inCompatible Diameter, maximum115 mm | 4.528 inCompatible Diameter, minimum60 mm | 2.362 inAntenna-to-Pipe Distance85 mm | 3.346 inBracket-to-Bracket Distance761 mm | 29.961 inWeight, net6 kg | 13.228 lb

Material Specifications

Material Type Galvanized steel

Mechanical Specifications

Mechanical Tilt 0°-10°

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 1

Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

**COMMSCOPE®** 

# T-045-GL-E

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS Compliant

UK-ROHS Compliant

