

# 5UPX0805F



10-port multibeam antenna, 10x 698–894 MHz, 5 x 13.5° HPBW, fixed electrical tilt. Ships with two T-041-GL-E mounting kits.

## General Specifications

<b>Antenna Type</b>	Multibeam
<b>Band</b>	Single band
<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, low band</b>	10
<b>RF Connector Quantity, total</b>	10

## Dimensions

<b>Width</b>	1574 mm   61.969 in
<b>Depth</b>	282 mm   11.102 in
<b>Length</b>	1617 mm   63.661 in
<b>Net Weight, without mounting kit</b>	85 kg   187.393 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	698 – 894 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698–894</b>
<b>Gain, dBi</b>	20.6
<b>Beamwidth, Horizontal, degrees</b>	13
<b>Beamwidth, Vertical, degrees</b>	17.1

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<b>Beam Tilt, degrees</b>	6
<b>USLS (First Lobe), dB</b>	18
<b>Front-to-Back Ratio at 180°, dB</b>	35
<b>CPR at Boresight, dB</b>	12
<b>Isolation, Cross Polarization, dB</b>	25
<b>VSWR   Return loss, dB</b>	1.43   15.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150
<b>Input Power per Port, maximum, watts</b>	300

## Electrical Specifications, BASTA

<b>Frequency Band, MHz</b>	<b>698–894</b>
<b>Gain by all Beam Tilts, average, dBi</b>	19.6
<b>Gain by all Beam Tilts Tolerance, dB</b>	±1.9
<b>Beamwidth, Horizontal Tolerance, degrees</b>	±2.4
<b>Beamwidth, Vertical Tolerance, degrees</b>	±3.4
<b>USLS, beampeak to 20° above beampeak, dB</b>	17
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	33
<b>CPR at Boresight, dB</b>	12

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	2,700.0 N @ 160 km/h (607.0 lbf @ 160 km/h)
<b>Wind Speed, maximum</b>	140 km/h (87 mph)

## Packaging and Weights

<b>Width, packed</b>	1670 mm   65.748 in
<b>Depth, packed</b>	440 mm   17.323 in
<b>Length, packed</b>	1760 mm   69.291 in
<b>Weight, gross</b>	169 kg   372.581 lb

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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

- T-041-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