chanhvinh.com

ANT-5G-ASM-07 Series

GSM/UMTS/LTE/5G NR, 7 dBi, omnidirectional, rubber-duck antennas



Features and Benefits

- Supports 5G NR and 4G LTE
- High-gain antenna to enhance performance
- Lightweight for portable deployment
- Tilt and swivel design
- Flexible installation
- SMA connector (male) supported

Introduction

The ANT-5G-ASM-07 Series is an omnidirectional lightweight compact antenna suitable for GSM, UMTS, LTE, and 5G NR bands. The antenna provides a gain of 7 dBi and is designed to operate in temperatures ranging from -40 to 85°C.

Specifications

Antenna Characteristics

Frequency	617 to 960, 1710 to 2170, 2300 to 2690, 3300 to 3800, 4200 to 4700, 5000 to 5925 MHz
Antenna Type	Omni-directional
Typical Antenna Gain	1.29 dBi @ 617 to 698 MHz 2.00 dBi @ 698 to 824 MHz 1.29 dBi @ 824 to 960 MHz 3.77 dBi @ 1710 to 1880 MHz 4.55 dBi @ 1850 to 1990 MHz 5.49 dBi @ 1920 to 2170 MHz 5.21 dBi @ 2300 to 2690 MHz 5.14 dBi @ 3300 to 3800 MHz 6.57 dBi @ 4200 to 4700 MHz 7.72 dBi @ 5000 to 5925 MHz
Connector	SMA (male)
Impedance	50 ohms
Polarization	Linear, Vertical
HPBW/Horizontal	360°
V.S.W.R.	< 7.5 @ 617 to 698 MHz < 4.5 @ 698 to 824 MHz < 4.4 @ 824 to 960 MHz < 1.9 @ 1710 to 1880 MHz < 2.7 @ 1850 to 1990 MHz < 4.1 @ 1920 to 2170 MHz < 2.1 @ 2300 to 2690 MHz < 2.5 @ 3300 to 3800 MHz < 1.9 @ 4200 to 4700 MHz < 2.0 @ 5000 to 5925 MHz

Physical Characteristics

Weight	35.8 g (0.08 lb)
Length	220 mm (8.66 in)
Radome Color	Black
Radome Material	Plastic
Installation	Straight mount

Environmental Limits

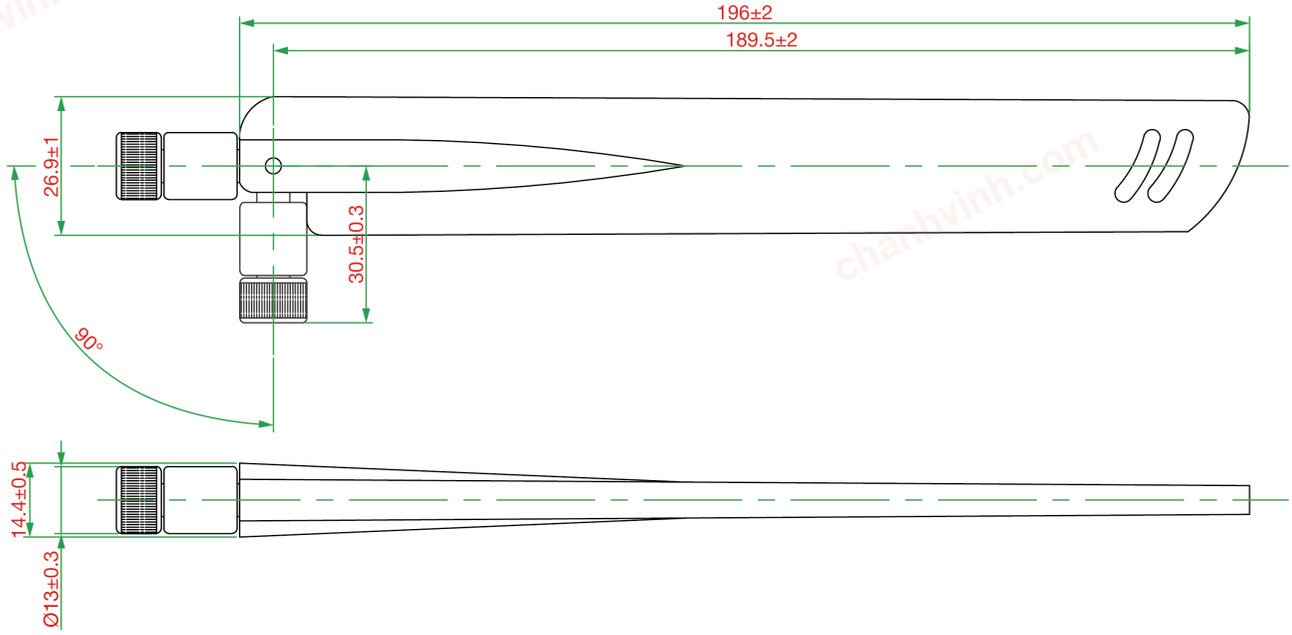
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

Warranty

Warranty Period	1 year
Details	See www.moxa.com/warranty

Dimensions

Unit: mm



Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector Type
ANT-5G-ASM-07	617 to 960 MHz, 1710 to 2170 MHz, 2300 to 2690 MHz, 3300 to 3800 MHz, 4200 to 4700 MHz, 5000 to 5925 MHz	Omnidirectional	7 dBi	SMA (male)

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