

ANT-5G-ASM-02 Series

2 dBi LTE/5G NR dipole antennas with SMA (male) connector



Features and Benefits

- Supports all global 5G bands
- Lightweight
- Tilt and swivel design
- Flexible installation
- SMA connector (male) supported

Introduction

The ANT-5G-ASM-02 Series is an omnidirectional lightweight compact antenna suitable for LTE, and 5G NR bands. The antenna provides a gain of 2 dBi and is designed to operate in temperatures ranging from -40 to 85°C.

Specifications

Antenna Characteristics

Frequency	617 to 960 MHz 1452 to 1575.412 MHz 1710 to 2690 MHz 3300 to 4200 MHz 4400 to 5000 MHz 5150 to 7150 MHz
Antenna Type	Omni-directional
Typical Antenna Gain	1 dBi @ 617 to 960 MHz (5G NR n28, 71) 2.5 dBi @ 1452 to 1575.412 MHz (5G NR n50, 51, 74, 75, 76) 2.5 dBi @ 1710 to 2690 MHz (5G NR n1, 2, 3, 7, 25, 34, 38, 39, 40, 41, 65, 66, 80, 84, 86) 2.5 dBi @ 3300 to 4200 MHz (5G NR n77, 78) 2.5 dBi @ 4400 to 5000 MHz (5G NR n79) 2.5 dBi @ 5150 to 7150 MHz
Connector	SMA (male)
Impedance	50 ohms
Polarization	Vertical Linear
HPBW/Horizontal	360°
V.S.W.R.	< 3 @ 617 to 960 MHz < 3 @ 1452 to 1575.412 MHz < 3 @ 1710 to 2690 MHz < 3 @ 3300 to 4200 MHz < 3 @ 4400 to 5000 MHz < 3 @ 5150 to 7150 MHz

Physical Characteristics

Weight	30 g (0.07 lb)
Length	205 mm (8.07 in)
Radome Color	Black
Radome Material	Plastic
Installation	Straight mount

Environmental Limits

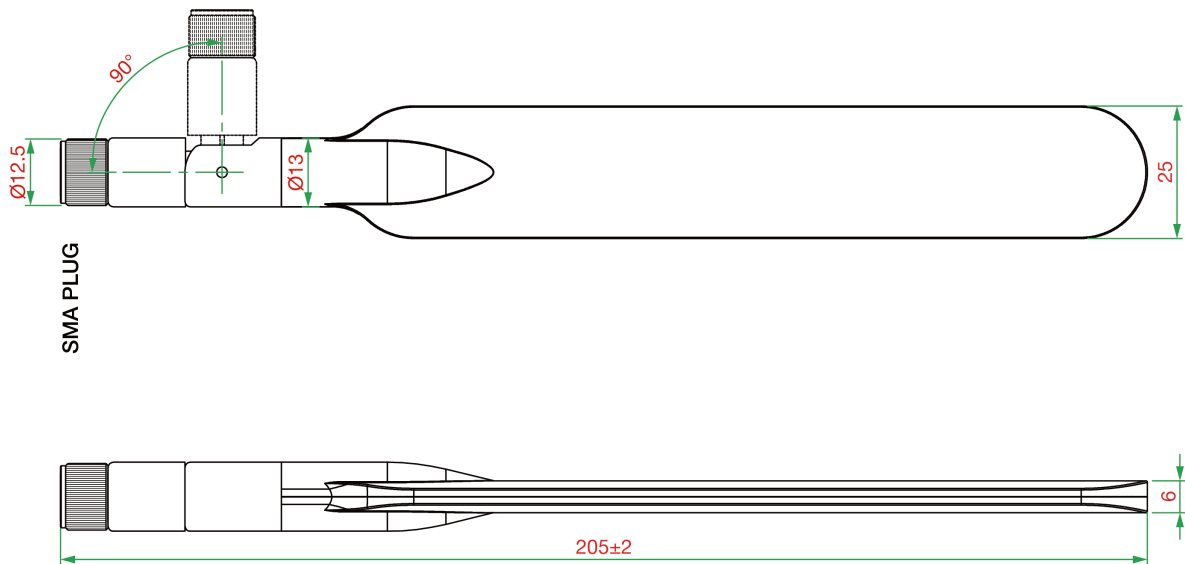
Operating Temperature	-20 to 65°C (-4 to 149°F)
Storage Temperature (package included)	-30 to 70°C (-22 to 158°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

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-02	617 to 960 MHz 1710 to 2690 MHz 1452 to 1575.412 MHz 3300 to 4200 MHz 4400 to 5000 MHz 5150 to 7150 MHz	Omnidirectional	2 dBi	SMA (male)

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