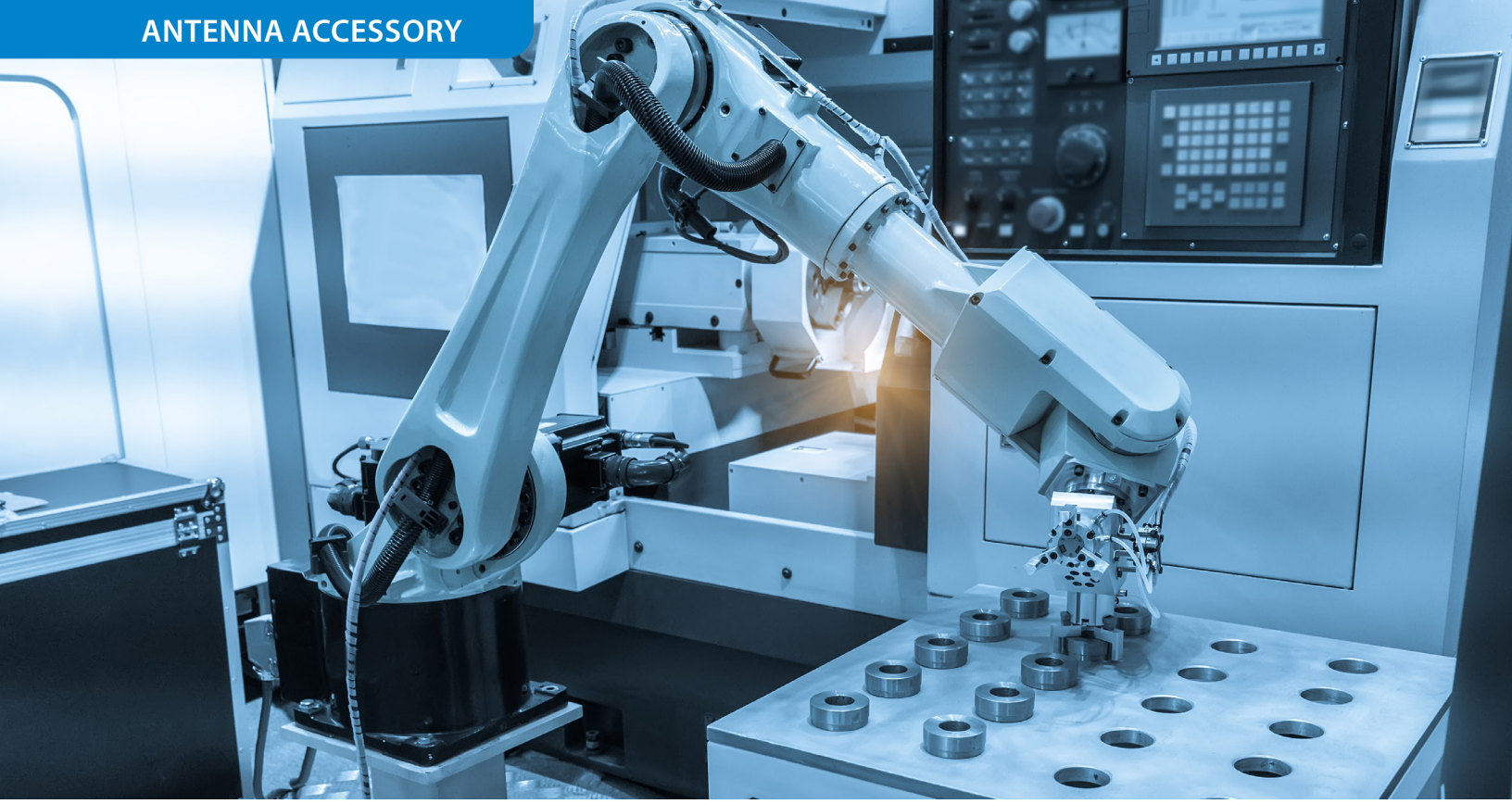
ANTENNA ACCESSORY



Inseego's 5G/LTE dipole antenna

High performance 5G antenna for any indoor environment

Why Inseego?

As a U.S.-based company, we design and develop all of our products in the USA and hold them to the highest security standards. Our products and solutions are designed to meet the most rigorous security requirements of top tier carriers, government entities, and fortune 500 enterprise customers.

Inseego 5G Dipole Antennas provide the best possible coverage from a direct-mount antenna. With built-in isolation and an omni-directional pattern, these antennas are ground plane independent (no ground plane required; monopole antennas require a large external ground plane), and provide good coverage in any environment. World class RF design allows each antenna to have the best possible gain, efficiency, and return loss in an ideal form factor. With ultra-wide band coverage, the 0.6-6 GHz dipole antenna covers all global 3G, LTE, and 5G sub6 bands.

inseego

Dipole antenna specifications

Antenna type

Dipole omnidirectional whip antenna, ground plane independent

Connector Type

SMA (M)

Antenna dimensions

8.2 x 1.5 x 0.6 in (207 x 38 x 15 mm)

Antenna weight

2 oz (57 g)

Operating temperatures

-40°C to 85°C

Environment

Indoor

Polorization

Linear

Max inpout power

5 W

SKU

649496 02579 3

Frequency range

617 – 960 MHz, 1427 – 2700 MHz, 3300 – 5000 MHz, 5150 – 5925 MHz

Band coverage

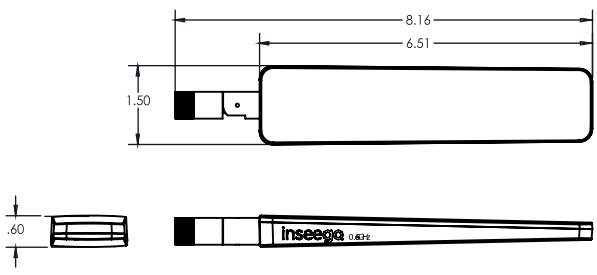
All LTE and 5G Sub6 bands from 1.4-6 GHz

Bands

1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 25, 26, 28, 29, 30, 38, 39, 40, 41, 42, 43, 46, 48, 49, 66, 71, 77, 78, 79

Radiant efficiency	617 – 698 MHz 698 – 817 MHz 817 – 960 MHz 1427 – 1525 MHz 1525 – 2700 MHz 3300 – 5000 MHz 5150 – 5925 MHz	%	65 75 75 70 80 70 70
Peak gain	617 – 698 MHz 698 – 817 MHz 817 – 960 MHz 1427 – 1525 MHz 1525 – 2700 MHz 3300 – 5000 MHz 5150 – 5925 MHz	dBi	1 1 1 2 3 3 3
Return loss (50 Ω)	617 – 698 MHz 698 – 817 MHz 817 – 960 MHz 1427 – 1525 MHz 1525 – 2700 MHz 3300 – 5000 MHz 5150 – 5925 MHz	dB	5 7 8 6 10 9 12

Antenna dimensions (in):



Antenna patterns: