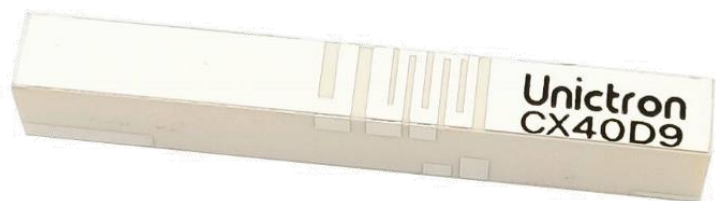


# 5G NR FR1 Chip Antenna

**MODEL: CX40D9**

**P/N: H2UN3P1D2V0100**



## Features

- Supporting 5G NR FR1 Bands, covering 600 to 6000 MHz
- Surface Mount
- Dimensions: 40 x 5 x 6 mm
- High performance, small size
- RoHS & REACH Compliant

## Applications

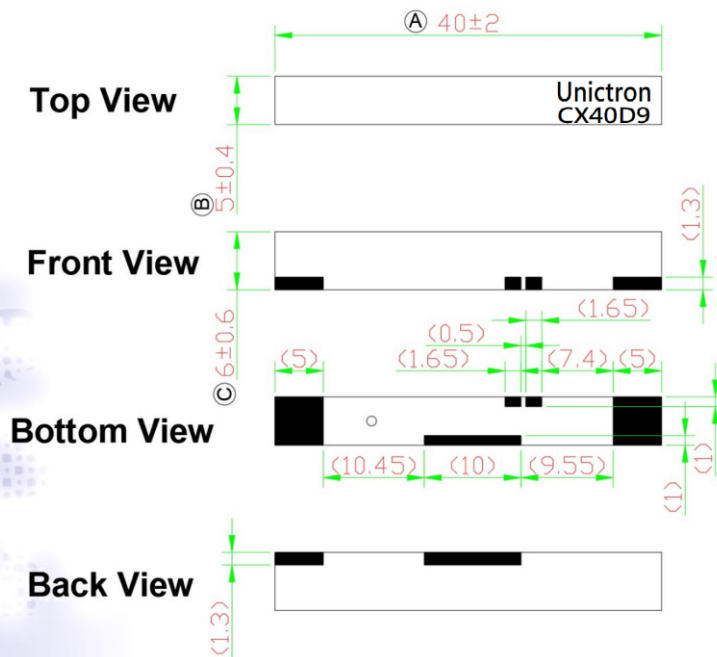
- Transportation
- Autonomous/UAVs
- Industrial IoT
- Trackers/CPEs

## Specifications

Items	Specifications					
<b>Frequencies (MHz)</b>	617~960	1710~2170	2300~2690	3300~4200	4400~5000	5150~5925
<b>Efficiency (%)</b>	~ 63	~ 78	~ 62	~ 61	~ 48	~ 37
<b>Average Gain (dB)</b>	~ -2.1	~ -1.1	~ -2.2	~ -2.2	~ -3.4	~ -4.5
<b>Peak Gain (dBi)</b>	~ 0.5	~ 2.9	~ 3.0	~ 2.5	~ 0.7	~ -1.3
<b>Test Condition</b>	120 x 45 mm <sup>2</sup> (Evaluation board)					
<b>Impedance (Ω)</b>	50					
<b>Polarization</b>	Linear Polarization					

Mechanical Specifications	
<b>Dimensions (mm)</b>	40 (L) x 5 (W) x 6 (H)
<b>Material</b>	Ceramic
Environmental Conditions	
<b>Operation Temperature (°C)</b>	-40 ~ +85
<b>Storage Temperature (°C)</b>	-5 ~ +40
<b>Relative Humidity</b>	10 ~ 70 %

## Mechanical Dimensions (unit : mm)



\*This specification is subject to change without prior notice