

## +7 812 425 69 88 +7 499 677 55 49 interconnect service



# 2.4GHz Terminal Antenna

## CS CS2-Q24-L20

#### 1. Introduction

The dipole Antenna is primarily designed for use with WIFI modules.

It does not require a ground-plane to connect to. It has a quality robust TPE housing for use with wireless terminals.

The antenna has a SMA/RP SMA(M) connector. It can be used straight or hinged 90 degrees. The antenn has a wide-band response and can also be used from 2400-2483MHz applications



## 2. Specification

| Frequency Range2400-2483MHzBand width83MHzGain5dBiCain5dBiV.S.W.R<1.8RadiationOmni-DirectionPolarizationVerticalMaximum Input Power50WImpedance50MConnectorSMA MaleAntenna Radome MaterialTPEEDimensions413×210mmWeight22gOperating Temperature40°C to+70°CRoHS CompliantYES | Electrical              |                |  |  |  |
|--|-------------------------|----------------|--|--|--|
| Gain5dBiV.S.W.R≤1.8RadiationOmni-DirectionPolarizationVerticalMaximum Input Power50WImpedance50ΩConnectorSMA MaleAntenna Radome MaterialTPEEMechanical413×210mmWeight22gOperating Temperature-40℃ to+70℃   | Frequency Range         | 2400-2483MHz   |  |  |  |
| V.S.W.R≤1.8RadiationOmni-DirectionPolarizationVerticalMaximum Input Power50WImpedance50ΩConnectorSMA MaleAntenna Radome MaterialTPEEMechanicalUDimensionsΦ13×210mmWeight22gOperating Temperature-40℃ to+70℃  | Band width              | 83MHz          |  |  |  |
| RadiationOmni-DirectionPolarizationVerticalMaximum Input Power50WImpedance50ΩConnectorSMA MaleAntenna Radome MaterialTPEEMechanicalUDimensionsΦ13×210mmWeight22gOperating Temperature-40°C to+70°C   | Gain                    | 5dBi           |  |  |  |
| PolarizationVerticalMaximum Input Power50WImpedance50ΩConnectorSMA MaleAntenna Radome MaterialTPEEMechanical413×210mmDimensions413×210mmWeight22gOperating Temperature-40°C to+70°C  | V.S.W.R                 | ≤1.8           |  |  |  |
| Maximum Input Power50WImpedance50ΩConnectorSMA MaleAntenna Radome MaterialTPEEMechanicalDimensionsΦ13×210mmWeight22gOperating Temperature-40°C to+70°C   | Radiation               | Omni-Direction |  |  |  |
| Impedance50ΩConnectorSMA MaleAntenna Radome MaterialTPEEMechanicalTOPEDimensionsΦ13×210mmWeight22gOperating Temperature-40°C to+70°C   | Polarization            | Vertical       |  |  |  |
| ConnectorSMA MaleAntenna Radome MaterialTPEEMechanicalVeloantDimensionsΦ13×210mmWeight22gOperating Temperature-40°C to+70°C  | Maximum Input Power     | 50W            |  |  |  |
| Antenna Radome MaterialTPEEMechanicalDimensionsΦ13×210mmWeight22gOperating Temperature-40°C to+70°C  | Impedance               | 50Ώ            |  |  |  |
| MechanicalDimensionsΦ13×210mmWeight22gOperating Temperature-40 °C to+70 °C   | Connector               | SMA Male       |  |  |  |
| DimensionsΦ13×210mmWeight22gOperating Temperature-40°C to+70°C   | Antenna Radome Material | TPEE           |  |  |  |
| Weight22gOperating Temperature-40 °C to+70 °C  | Mechanical              |                |  |  |  |
| Operating Temperature -40℃ to+70℃  | Dimensions              | Ф13×210mm      |  |  |  |
|  | Weight                  | 22g            |  |  |  |
| RoHS Compliant YES   | Operating Temperature   | -40℃ to+70℃    |  |  |  |
|  | RoHS Compliant          | YES            |  |  |  |

| NO.         |                | 1      | N         | ω                                    | Techology :RoHS |       |   |   | Drawing                      |
|-------------|----------------|--------|-----------|--------------------------------------|-----------------|-------|---|---|------------------------------|
| PARTNAME    |                |        |           |                                      | RoHS            |       |   |   |                              |
| DESCRIPTION |                |        |           |                                      |                 |       |   |   |                              |
|             | MATERIAL       |        | STANDARD  |                                      |                 |       |   |   |                              |
| SHEET       | DWG NO.        | SPEC   | P/No:     |                                      |                 |       |   |   |                              |
| 1/1         | 2012A          |        | AC-       |                                      |                 |       |   |   |                              |
| TINU        | 2012AC-L20-SMA |        | ACL20-SMA | Adan Chadan                          |                 | 1=602 |   |   |                              |
| MM          |                |        |           | ASIAN                                | 佛山市             |       |   |   |                              |
| 投影法         | REV            | Wet    | Qty       | ASIAN CREATION COMMUNICATION CO.,LTD | 佛山市三水亚创通讯有限公司   |       | Π |   | Produc<br>Termir             |
|             | A              | 18g    | 1PCS DR.  | COMMUN                               | 有限公司            |       |   | = | Product Type<br>Terminal ANT |
| DAY         | СНКD           | VENDER | DR.       | ICATION C                            |                 | ·     | Ð | 0 | P/N:ACL20<br>-SMA            |
| 2016-06-30  | BEN            | SIAIA  | ΥJΡ       | O,,LTD                               |                 |       |   |   | L20                          |

#### 3.Drawing