RSRA698/2700SSM REAL



This LTE antenna is a high-end design that provides excellent performance in a tiny package. It offers higher efficiency at the lower frequency bands on a smaller ground plane than competitive products. This equates to better range in a smaller product size, saving valuable real estate in the design. This combination of high performance and small size makes this antenna ideal for small devices, particularly when used for the Internet of Things (IoT) and with the CAT-M1 and NB-

IOT standards. Also covering all major bands used by LTE, 3G and 4G cellular technologies.

Features:

- Covers all common 4G/3G/2G and LTE bands
- Tilt / Swivel Joint for optimum positioning
- Small, unobtrusive profile









Electrical Specifications

Frequency 1	698-960 MHz
Frequency 2	1710-2170 MHz
Frequency 3	2300-2400 MHz
Frequency 4	2500-2700 MHz
Frequency 5	3400-3600 MHz
Frequency 6	3600-3800 MHz
Gain 1	5.8 dBi
Gain 2	3.7 dBi
Gain 3	2 dBi
Gain 4	1.4 dBi
Gain 5	5.2 dBi
Gain 6	6.1 dBi
Polarization	Linear
Radiation	Omni-Directional
Impedance	50 Ohms
Max Power	15 W

Environmental Specifications

Operating Temperature [°C]	-40 to 70
Storage Temperature [°C]	-40 to 70

Mechanical Specifications

Color	Black
Connector	SMA Male (Plug)
Weight	8g













Edge of the Ground Plane, Straight







-8 -10





















Gain Plots - Edge of Plane, Straight



700 - 960MHz YZ-Plane Gain XZ-Plane Gain XY-Plane Gain









Gain Plots - Edge of Plane, Straight









Gain Plots - Edge of Plane, Straight



3400 - 3600MHz



3600 - 3800MHz







Edge of the Ground Plane, Bent 90°







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Rev. 8/2019











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ANTENNAS





















































