

Data Sheet

4G LTE Antennas (HSA-0727XXX)

GSM LTE/4G antennas

Product	Frequency range	VSWR	Gain	Polarization type	Rated power	Input impedance
HSA-0727MS1	700-2700 MHz	≤ 2.0	5 dBi	vertical	100 W	50 Ω
HSA-0727TBF	700-2700 MHz	≤ 2.0	7 dBi	vertical	50 W	50 Ω
HSA-0727TFD	700-2700 MHz	≤ 2.0	5 dBi	vertical	50 W	50 Ω
HSA-0918TFN2	700-2700 MHz	≤ 2.0	2 dBi	vertical	10 W	50 Ω

Product	Connector	Antenna length	Radiator	Working temperatures	Weight
HSA-0727MS1	SMA male	Ø28x182 mm	Cuprum	-40°C~+60°C	60 g
HSA-0727TBF	SMA male	Ø18.2x172 mm	Cuprum	-40°C~+60°C	18 g
HSA-0727TFD	SMA male	Ø13x195 mm	Cuprum	-40°C~+60°C	22 g
HSA-0918TFN2	SMA male	Ø30x80 mm	Cuprum	-40°C~+60°C	66 g

HSA-0727MS1

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Electrical specifications:

- Frequency range: 700-2700 MHz
- VSWR: ≤ 2.0
- Gain: 5 dBi
- Polarization type: vertical
- Rated power: 100 W
- Input impedance: 50 Ω

Mechanical specifications:

- Connector: SMA male
- Antenna length: $\varnothing 28 \times 182$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 60 g

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HSA-0727TBF

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Electrical specifications:

- Frequency range: 700-2700 MHz
- VSWR: ≤ 2.0
- Gain: 7 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: plastic
- Connector: SMA male
- Antenna length: $\varnothing 18.2 \times 172$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 18 g

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HSA-0727TFD

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Electrical specifications:

- Frequency range: 700-2700 MHz
- VSWR: ≤ 2.0
- Gain: 5 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: plastic
- Connector: SMA male
- Antenna length: $\varnothing 13 \times 195$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 22 g

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HSA-0918TFN2

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Electrical specifications:

- Frequency range: 700-2700 MHz
- VSWR: ≤ 2.0
- Gain: 3 dBi
- Polarization type: vertical
- Rated power: 10 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: plastic
- Connector: SMA male
- Antenna length: $\varnothing 30 \times 80$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 66 g

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Additional notes

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Products family sample photo

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