

# Data Sheet



## 4G LTE Antennas (HSA-0727XXX)

### GSM LTE/4G antennas



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

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

## HSA-0727MS1

 Image (20) placeholder or type unknown	<b>Electrical specifications:</b> <ul style="list-style-type: none"><li>• Frequency range: 700-2700 MHz</li><li>• VSWR: <math>\leq 2.0</math></li><li>• Gain: 5 dBi</li><li>• Polarization type: vertical</li><li>• Rated power: 100 W</li><li>• Input impedance: 50 <math>\Omega</math></li></ul> <b>Mechanical specifications:</b> <ul style="list-style-type: none"><li>• Connector: SMA male</li><li>• Antenna length: <math>\varnothing 28 \times 182</math> mm</li><li>• Radiator: Cuprum</li><li>• Working temperatures: <math>-40^{\circ}\text{C} \sim +60^{\circ}\text{C}</math></li><li>• Humidity: 5%-95% RH</li><li>• Weight: 60 g</li></ul>
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# HSA-0727TBF

 Image (22) placeholder or type unknown	<b>Electrical specifications:</b> <ul style="list-style-type: none"><li>• Frequency range: 700-2700 MHz</li><li>• VSWR: <math>\leq 2.0</math></li><li>• Gain: 7 dBi</li><li>• Polarization type: vertical</li><li>• Rated power: 50 W</li><li>• Input impedance: 50 <math>\Omega</math></li></ul> <b>Mechanical specifications:</b> <ul style="list-style-type: none"><li>• Radome materials: plastic</li><li>• Connector: SMA male</li><li>• Antenna length: <math>\varnothing 18.2 \times 172</math> mm</li><li>• Radiator: Cuprum</li><li>• Working temperatures: <math>-40^{\circ}\text{C} \sim +65^{\circ}\text{C}</math></li><li>• Humidity: 5%-95% RH</li><li>• Weight: 18 g</li></ul>
 Image (23) placeholder or type unknown	

# HSA-0727TFD

<div>Image (24)webp for type unknown</div>	<div><b>Electrical specifications:</b><ul style="list-style-type: none"><li>• Frequency range: 700-2700 MHz</li><li>• VSWR: <math>\leq 2.0</math></li><li>• Gain: 5 dBi</li><li>• Polarization type: vertical</li><li>• Rated power: 50 W</li><li>• Input impedance: 50 <math>\Omega</math></li></ul></div> <div><b>Mechanical specifications:</b><ul style="list-style-type: none"><li>• Radome materials: plastic</li><li>• Connector: SMA male</li><li>• Antenna length: <math>\varnothing 13 \times 195</math> mm</li><li>• Radiator: Cuprum</li><li>• Working temperatures: <math>-40^{\circ}\text{C} \sim +60^{\circ}\text{C}</math></li><li>• Humidity: 5%-95% RH</li><li>• Weight: 22 g</li></ul></div>
<div>Image (25)webp for type unknown</div>	

# HSA-0918TFN2

<div>Image (26)webp for type unknown</div>	<div><b>Electrical specifications:</b><ul style="list-style-type: none"><li>• Frequency range: 700-2700 MHz</li><li>• VSWR: <math>\leq 2.0</math></li><li>• Gain: 3 dBi</li><li>• Polarization type: vertical</li><li>• Rated power: 10 W</li><li>• Input impedance: 50 <math>\Omega</math></li></ul></div> <div><b>Mechanical specifications:</b><ul style="list-style-type: none"><li>• Radome materials: plastic</li><li>• Connector: SMA male</li><li>• Antenna length: <math>\varnothing 30 \times 80</math> mm</li><li>• Radiator: Cuprum</li><li>• Working temperatures: <math>-40^{\circ}\text{C} \sim +60^{\circ}\text{C}</math></li><li>• Humidity: 5%-95% RH</li><li>• Weight: 66 g</li></ul></div>
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# Additional notes

Related information and links		
<a href="#">Ordering information</a>	<a href="#">Accessories</a>	<a href="#">Similar products</a>

## Products family sample photo



<https://redisage.com>

### DISCLAMER NOTES

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

## Datasheet-ID:

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