

# GSM Antennas

**HSA-0918TEB2, HSA-0918TEB, HSA-0918TFF, HSA-0918MS6, HSA-0918MS2 & HSA-0918PCB GSM Antennas documentation**

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# Data Sheet

## GSM Antennas (HSA-0918XXX)

### GSM 2G/3G antennas

Product	Frequency range	VSWR	Gain	Polarization type	Rated power	Input impedance
<b>HSA-0918MS2</b>	900-1800 / 1900-2100 MHz	$\leq 2.0$	5 dBi	vertical	100 W	100 $\Omega$
<b>HSA-0918MS6</b>	900-1800 MHz	$\leq 2.0$	5 dBi	vertical	100 W	50 $\Omega$
<b>HSA-0918PCB</b>	900-1800 / 1900-2100 MHz	$\leq 2.0$	4 dBi	vertical	50 W	50 $\Omega$
<b>HSA-0918TEB</b>	900-1800 MHz	$\leq 2.0$	2 dBi	vertical	50 W	50 $\Omega$
<b>HSA-0918TEB2</b>	900-1800 MHz	$\leq 2.0$	2 dBi	vertical	50 W	50 $\Omega$
<b>HSA-0918TFF</b>	900-1800 MHz	$\leq 2.0$	2 dBi	vertical	50 W	50 $\Omega$

Product	Connector	Antenna length	Radiator	Working temperatures	Weight
<b>HSA-0918MS2</b>	SMA male	Ø29x109 mm	Cuprum	-40°C~+60°C	55 g
<b>HSA-0918MS6</b>	SMA male	Ø29x160 mm	Cuprum	-40°C~+60°C	35 g
<b>HSA-0918PCB</b>	IPEX	Ø9x34 mm	Cuprum	-40°C~+60°C	3 g

Product	Connector	Antenna length	Radiator	Working temperatures	Weight
HSA-0918TEB	SMA male	Ø7.8x51 mm	Cuprum	-40°C~+60°C	6 g
HSA-0918TEB2	SMA male	Ø7.8x48 mm	Cuprum	-40°C~+60°C	6 g
HSA-0918TFF	SMA male	Ø8x108 mm	Cuprum	-40°C~+60°C	12 g

# HSA-0918MS2


	<p><b>Electrical specifications:</b></p> <ul style="list-style-type: none"><li>• Frequency range: 900-1800/1900-2100 MHz</li><li>• VSWR: ≤ 2.0</li><li>• Gain: 5 dBi</li><li>• Polarization type: vertical</li><li>• Rated power: 100 W</li><li>• Input impedance: 50 Ω</li></ul> <p><b>Mechanical specifications:</b></p> <ul style="list-style-type: none"><li>• Radome materials: plastic</li><li>• Connector: SMA male</li><li>• Antenna length: Ø29x109 mm</li><li>• Radiator: Cuprum</li><li>• Working temperatures: -40°C~+60°C</li><li>• Humidity: 5%-95% RH</li><li>• Weight: 55 g</li></ul>
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HSA-0918MS6

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**Electrical specifications:**

- Frequency range: 900-1800 MHz
- VSWR:  $\leq 2.0$
- Gain: 5 dBi
- Polarization type: vertical
- Rated power: 100 W
- Input impedance: 50  $\Omega$

**Mechanical specifications:**

- Radome materials: plastic
- Connector: SMA male
- Antenna length:  $\varnothing 29 \times 160$  mm
- Radiator: Cuprum
- Working temperatures:  $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 35 g

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# HSA-0918PCB

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## Electrical specifications:

- Frequency range: 900-1800/1900-2100 MHz
- VSWR:  $\leq 2.0$
- Gain: 4 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50  $\Omega$

## Mechanical specifications:

- Radome materials: PCB
- Connector: IPEX
- Antenna length:  $\varnothing 9 \times 34$  mm
- Radiator: Cuprum
- Working temperatures:  $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Weight: 3 g

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HSA-0918TEB



<div data-bbox="108 107 376 147" data-label="Image"></div>	<p><b>Electrical specifications:</b></p> <ul style="list-style-type: none"><li>• Frequency range: 900-1800 MHz</li><li>• VSWR: <math>\leq 2.0</math></li><li>• Gain: 2 dBi</li><li>• Polarization type: vertical</li><li>• Rated power: 50 W</li><li>• Input impedance: 50 <math>\Omega</math></li></ul> <p><b>Mechanical specifications:</b></p> <ul style="list-style-type: none"><li>• Radome materials: plastic</li><li>• Connector: SMA male</li><li>• Antenna length: <math>\varnothing 7.8 \times 51</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: 6 g</li></ul>
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HSA-0918TEB2



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HSA-0918TFF

	<b>Electrical specifications:</b> <ul style="list-style-type: none"><li>• Frequency range: 900-1800 MHz</li><li>• VSWR: <math>\leq 2.0</math></li><li>• Gain: 2 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 8 \times 108</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: 12 g</li></ul>
	

# 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>

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Datasheet-ID:

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