

868 MHz Antennas

HSA-868TEB2, HSA-868TEB, HSA-868TFF, HSA-868MS1 & HSA-868PCB 868 MHz Antennas documentation

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Data Sheet

868 MHz Antennas (HSA-868XXX)

ISM/LoRa 868 MHz antennas

Product	Frequency range	VSWR	Gain	Polarization type	Rated power	Input impedance
HSA-868MS1	868 MHz	≤ 2.0	5 dBi	vertical	100 W	50 Ω
HSA-868PCB	868 MHz	≤ 2.0	4 dBi	vertical	50 W	50 Ω
HSA-868TEB	868 MHz	≤ 2.0	2 dBi	vertical	50 W	50 Ω
HSA-868TEB2	868 MHz	≤ 2.0	2 dBi	vertical	50 W	50 Ω
HSA-868TFF	868 MHz	≤ 2.0	2 dBi	vertical	50 W	50 Ω

Product	Connector	Antenna length	Radiator	Working temperatures	Weight
HSA-868MS1	SMA male	∅28x299 mm	Cuprum	-40°C~+60°C	57 g
HSA-868PCB	IPEX	∅9x34 mm	Cuprum	-40°C~+60°C	3 g
HSA-868TEB	SMA male	∅7.8x51 mm	Cuprum	-40°C~+60°C	6 g
HSA-868TEB2	SMA male	∅7.8x48 mm	Cuprum	-40°C~+60°C	6 g
HSA-868TFF	SMA male	∅10x108.5 mm	Cuprum	-40°C~+60°C	12 g

HSA-868MS1

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Electrical specifications:

- Frequency range: 868 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: $\varnothing 28 \times 299$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 57 g

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HSA-868PCB

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Electrical specifications:

- Frequency range: 868 MHz
- VSWR: ≤ 2.0
- Gain: 4 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: PCB
- Connector: IPEX
- Antenna length: $\varnothing 9 \times 34$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Weight: 3 g

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HSA-868TEB

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Electrical specifications:

- Frequency range: 868 MHz
- VSWR: ≤ 2.0
- Gain: 2 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: plastic
- Connector: SMA male
- Antenna length: $\varnothing 7.8 \times 51$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 6 g

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HSA-868TEB2

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Electrical specifications:

- Frequency range: 868 MHz
- VSWR: ≤ 2.0
- Gain: 2 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: plastic
- Connector: SMA male
- Antenna length: $\varnothing 7.8 \times 48$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 6 g

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HSA-868TFF

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Electrical specifications:

- Frequency range: 868 MHz
- VSWR: ≤ 2.0
- Gain: 2 dBi
- Polarization type: vertical
- Rated power: 50 W
- Input impedance: 50 Ω

Mechanical specifications:

- Radome materials: plastic
- Connector: SMA male
- Antenna length: $\varnothing 10 \times 108.5$ mm
- Radiator: Cuprum
- Working temperatures: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Humidity: 5%-95% RH
- Weight: 12 g

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Additional notes

Related information and links

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Products family sample photo



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Datasheet-ID:

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