

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	Ø28x299 mm	Cuprum	-40°C~+60°C	57 g
HSA-868PCB	IPEX	Ø9x34 mm	Cuprum	-40°C~+60°C	3 g
HSA-868TEB	SMA male	Ø7.8x51 mm	Cuprum	-40°C~+60°C	6 g
HSA-868TEB2	SMA male	Ø7.8x48 mm	Cuprum	-40°C~+60°C	6 g
HSA-868TFF	SMA male	Ø10x108.5 mm	Cuprum	-40°C~+60°C	12 g

HSA-868MS1

Image not found or type unknown

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

Image (1) not found or type unknown

HSA-868PCB

Image (2).webp or type unknown

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

Image (3).webp or type unknown

HSA-868TEB

Image (4).webp or type unknown

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

Image (5).webp or type unknown

HSA-868TEB2

Image (6).webp or type unknown

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

Image (7).webp or type unknown

HSA-868TFF

Image (8).webp or type unknown

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

Image (9).webp or type unknown

Additional notes

Related information and links

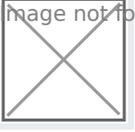
[Ordering information](#)

[Accessories](#)

[Similar products](#)

Products family sample photo

image not found or type unknown



<https://redisage.com>

DISCLAIMER NOTES

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

Datasheet-ID:

SR-D

Revision #12

Created 4 April 2024 14:12:35

Updated 26 July 2024 14:48:52 by Jan Górski