

ANT-OMNI-0671-03 - Antenna



1565400

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Multiband omnidirectional antenna for installation in plastic control cabinets not visible from the outside, frequency band: 0.6 GHz ... 7.1 GHz, gain: 1 dBi 2 dBi, connection: SMA (male), antenna connector with 90° articulated joint

Your advantages

- Ideally suited for stationary applications in 2G/3G/4G/5G cellular networks
- Universal use with the wide frequency range
- Future-proof, thanks to the use of lead-free materials

Commercial data

Item number	1565400
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNC6A2
Product key	DNC6A2
GTIN	4067923043251
Weight per piece (including packing)	16.4 g
Weight per piece (excluding packing)	14 g
Customs tariff number	85177100
Country of origin	TW

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Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Special properties	Monopole antenna
Gain	1.12 dBi (617 MHz ... 960 MHz)
	2.16 dBi (1.7 GHz ... 2.7 GHz)
	1.89 dBi (5.15 GHz ... 5.25 GHz)
	1.91 dBi (5.25 GHz ... 5.35 GHz)
	2.11 dBi (5.47 GHz ... 5.725 GHz)
	2.09 dBi (5.725 GHz ... 5.85 GHz)
	2.01 dBi (5.85 GHz ... 5.895 GHz)
	2.02 dBi (5.925 GHz ... 6.425 GHz)
	1.58 dBi (6.425 GHz ... 6.525 GHz)
	1.91 dBi (6.525 GHz ... 6.875 GHz)
	2.05 dBi (6.875 GHz ... 7.125 GHz)
Polarization	vertical

Electrical properties

Frequency range	617 MHz ... 960 MHz
	1.71 GHz ... 2.7 GHz
	5.15 GHz ... 7.125 GHz
Impedance	50 Ω
Maximum capacity	1.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 4.50 (617 MHz ... 960 MHz)
	≤ 3.50 (1.7 GHz ... 2.7 GHz)
	≤ 3.50 (5.15 GHz ... 5.25 GHz)
	≤ 3.50 (5.25 GHz ... 5.35 GHz)
	≤ 3.50 (5.47 GHz ... 5.725 GHz)
	≤ 3.50 (5.725 GHz ... 5.85 GHz)
	≤ 5.00 (5.85 GHz ... 5.895 GHz)
	≤ 5.00 (5.925 GHz ... 6.425 GHz)
	≤ 5.00 (6.425 GHz ... 6.525 GHz)
	≤ 5.00 (6.525 GHz ... 6.875 GHz)
	≤ 5.00 (6.875 GHz ... 7.125 GHz)

Connection data

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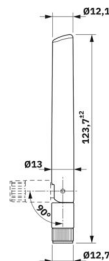
Connection technology

Connection method

SMA (male)

Dimensions

Dimensional drawing



Height

123 mm

Diameter

13 mm

Material specifications

Material (Radom)

Plastic

Environmental and real-life conditions

Ambient conditions

Degree of protection

IP67

Ambient temperature (operation)

-40 °C ... 70 °C

Ambient temperature (storage/transport)

-40 °C ... 70 °C

Permissible humidity (operation)

20 % ... 95 %

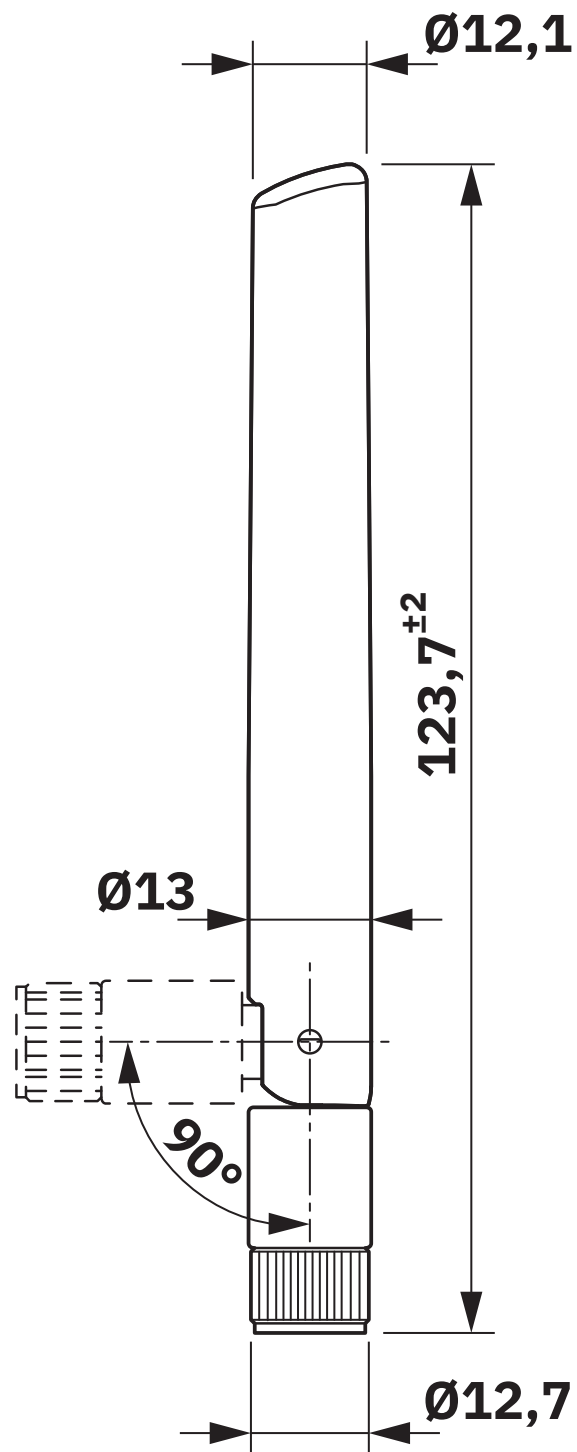
Mounting

Mounting type

Direct assembly on the device interface

Drawings

Dimensional drawing



Dimensional drawing

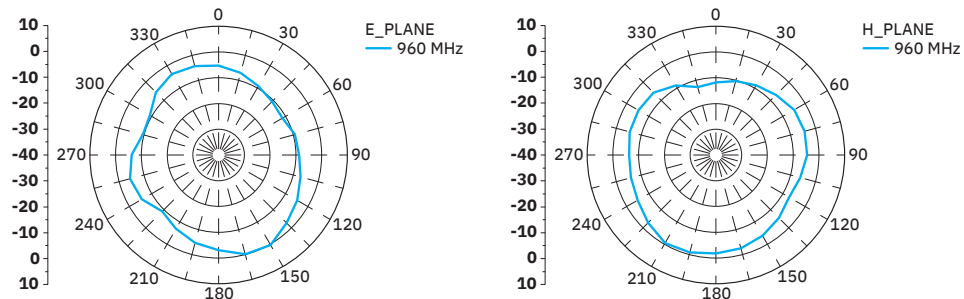
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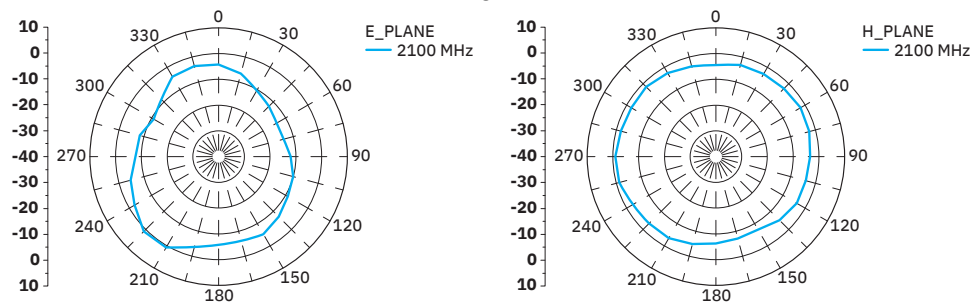


Diagram



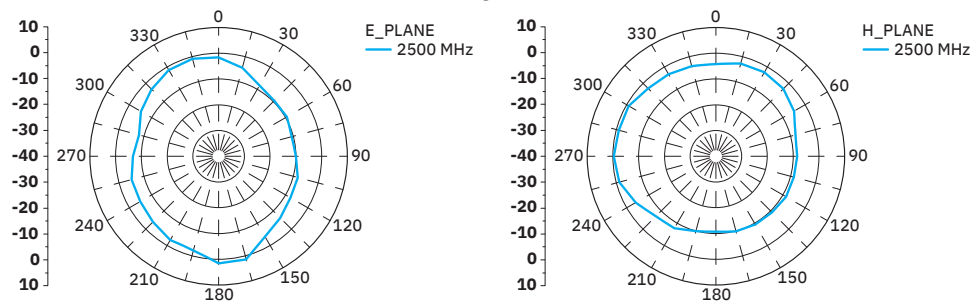
960 MHz directional characteristics

Diagram



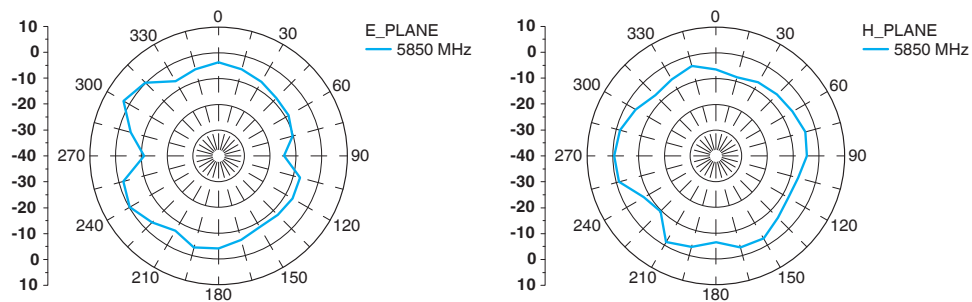
2100 MHz directional characteristics

Diagram



2500 MHz directional characteristics

Diagram

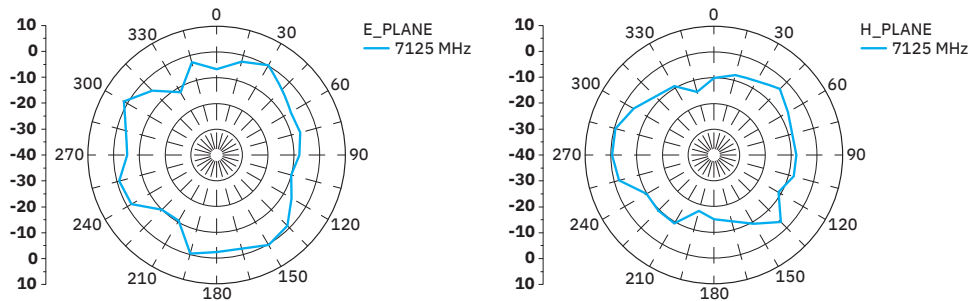


5850 MHz directional characteristics

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Diagram



7125 MHz directional characteristics

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Classifications

ECLASS

ECLASS-13.0	19070105
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ETIM

ETIM 9.0	EC001698
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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