

5.8GHz Wire type Antenna: ANS5605B5800Z101

Applications:

ISM band, Telemeter, keyless entry system...

Features

High reliability, ultra Impact, Omni-directional...

Part number

ANS 5605 B 5800 Z1 01
(1) (2) (3) (4) (5) (6)

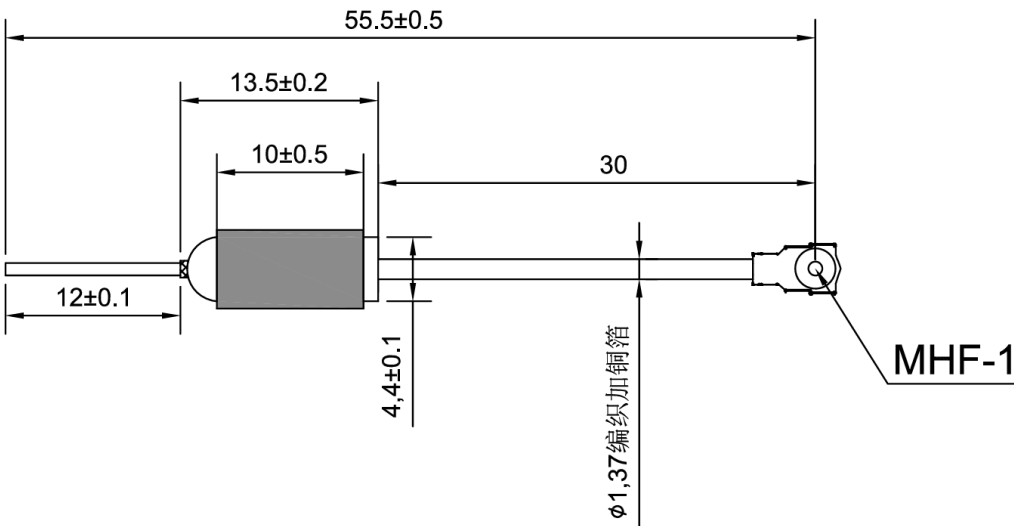
(1) Product Code	Stick Antenna
(2) Size code	56*5mm
(3) Packing	In bulk
(4) Frequency	5800 MHz
(5) Series	Z1
(6) Type	01



Electrical Specification

Working Frequency Range	5600~6000 MHz
Peak Gain	3.66 dBi
Impedance	57.41 Ohm
VSWR	1.41Max
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Operation Temperature(℃)	-30~70℃

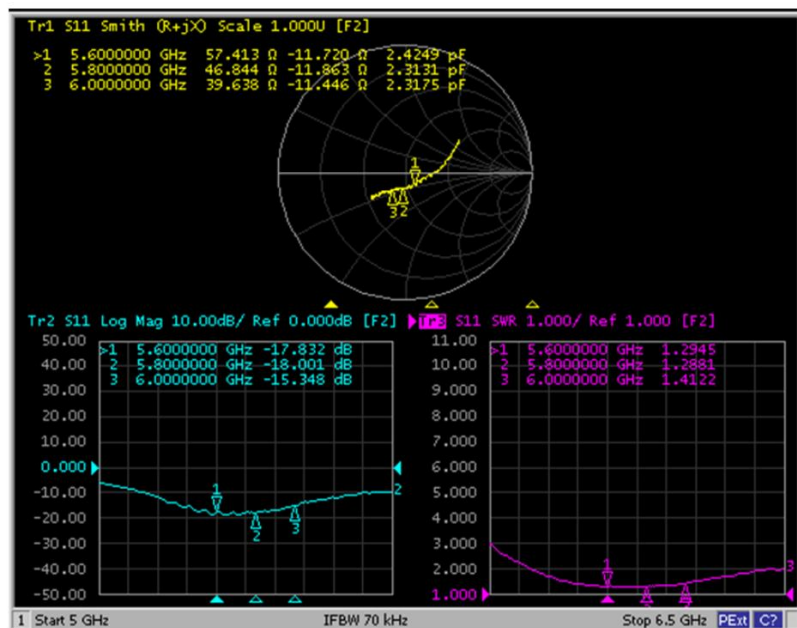
Dimension and Terminal Configuration



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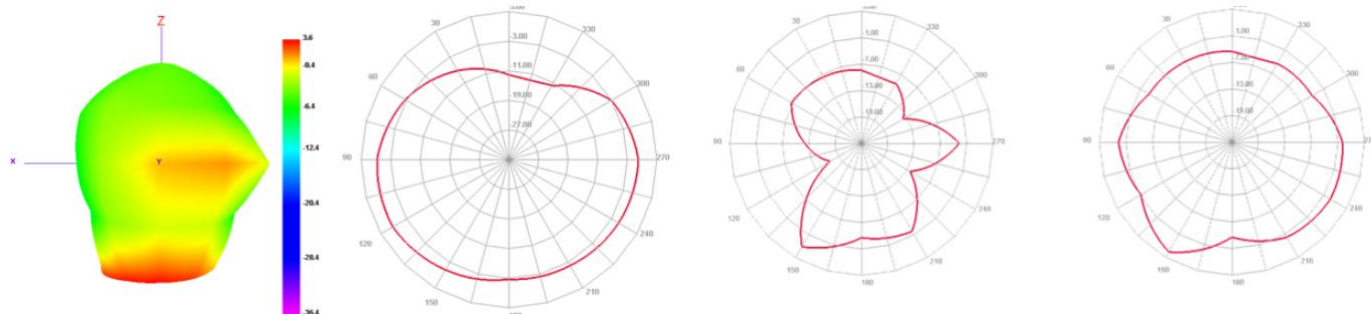
Electrical Characteristics

Return Loss&Smith&VSWR



Item	Value		
	5600(MHz)	5800(MHz)	6000(MHz)
Smith(Ω)	57.41	46.84	39.63
Return loss(dB)	-17.83	-18.00	-15.34
VSWR	1.29	1.28	1.41

Radiation Pattern



Frequency (MHz)	Efficiency (%)	Mean gain (dbi)	Peak Gain (dBi)
5600	54.51	-2.64	3.36
5700	55.46	-2.56	3.46
5800	56.87	-2.45	3.6
5900	56.2	-2.5	3.57
6000	56.98	-2.44	3.66

Revision History

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Version	Date	Description
Ver.01	Mar. 2025	New issue.
Ver.02	Apr. 2025	Update dimension
Ver.03	Jun. 2025	change dimension

June. 2025 Ver.03