



GSM ANTENNA

Antenna GSM Magnetic 50,
5 dBi, Open end, RG174/5m

AO-AGSM-MG5

SECTRON company offers a wide portfolio of GSM antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees a compatible connection between an antenna and all antenna adaptors produced by SECTRON.

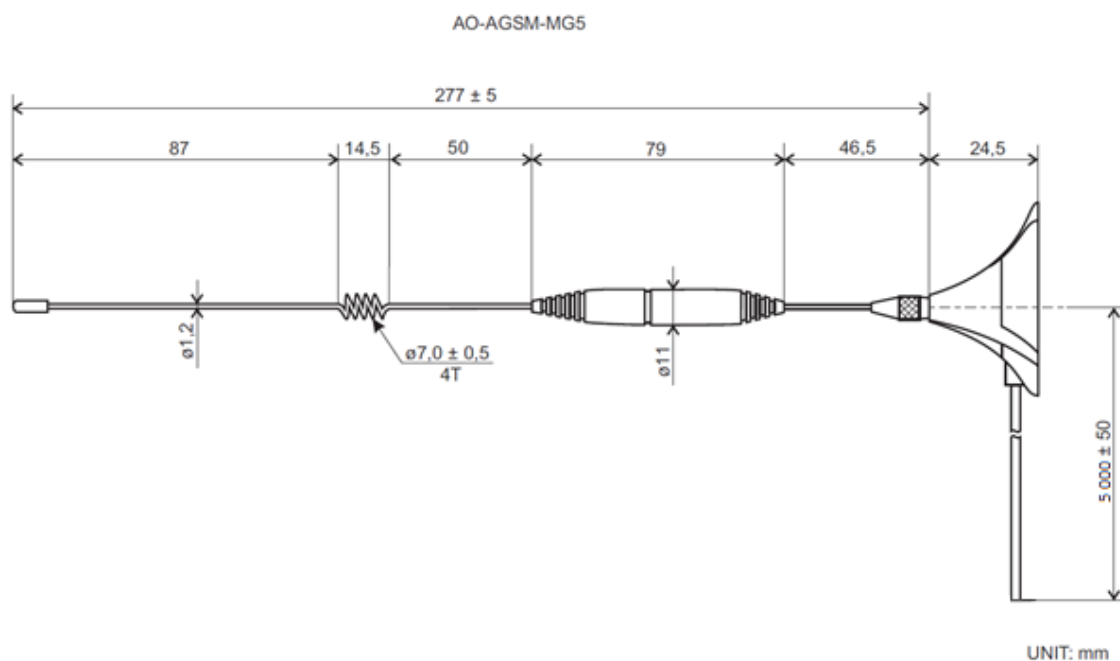
BENEFITS

- Low VSWR
- Easy installation
- Omnidirectional - suitable for moving devices

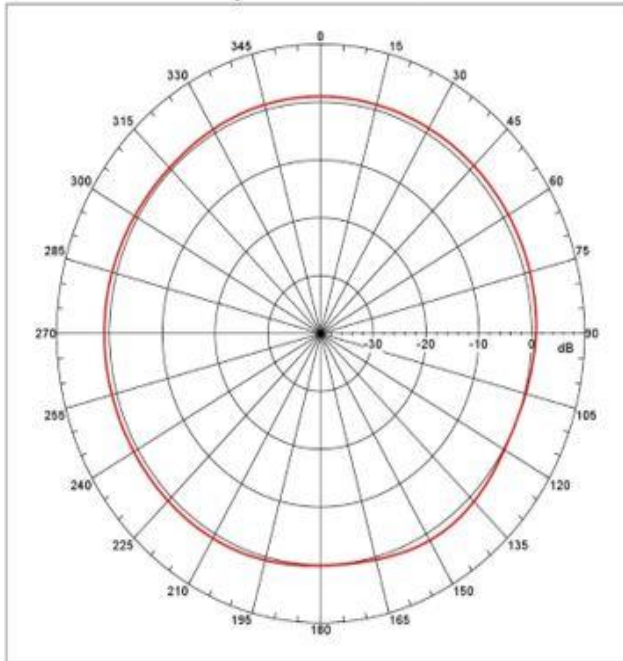


Technology	GSM
Frequency bands	800/900/1800/1900/2100 MHz
Bandwidth	-
Gain	5 dBi
VSWR	<1.8:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	H-360°, V-30°
Polarization	Vertical
Maximum input power	10 W
Power voltage	-
Dimensions	40 x 300 mm
Weight	74 g
Operating temperature	-30 to +90 °C
Execution	External
Method of attachment	Magnetic
Cable type	RG174 / U
The cable length	5 m
Connector type	Optional

DRAWING



Far-field amplitude of C03+MT04-H.nsi



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Far-field amplitude, Optimized: Linear, Test = 1.000 deg
Gain = 1.97434 dB
Min Far-Field (p00a1) = -46.19536 dB, Max Far-Field (p00a1) =
+46.19536 dB
Excitation: Reference, Relative offset = 0.000 dB
Power at 1dB: 0.00000 deg, 0.000 at 0.000 deg
Plot resolution: 0.1
C03+MT04-H
#110000 PA 0.120, Plotname: C:\Program Files\ANSYS\ANSYS Desktop\12
12\WORK\CP\C03+MT04-H.nsi
Measurement Axis/View: X/Y/Z/0/0/0 dB, PlotType: 001-01
Far-Field (dB) Absolute
Ant width: 0.701 dB
-5 dB Beam width: Not Found
-10 dB Beam width: Not Found
-15 dB Beam width: Not Found
Left Sidelobe: -8.30 dB at 71.828 deg
Right Sidelobe: Not Found
Far-Field (dB) Relative
Beamwidth (deg)
Beam = 70.10000, dB, Center = 0.000 deg, #pts = 181
Beam = 150.99999, dB, Size = 150.99999 deg, #pts = 1.000
deg
Elevation (deg)
Center = 0.000 deg, #pts = 1
Selected Beam(s) 1 of 0
Beam Property Absolute Elevation Pol
Name Frequency Absolute Elevation Pol
1 0.900 GHz Absolute Elevation Right-pol
    
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VARIANT	PART NUMBER
Antenna GSM Magnetic 50, 5dB, FME(f), RG174 3m	AO-AGSM-MG5F
Antenna GSM Magnetic 50, 5dB, MCX90(m), RG174 3m	AO-AGSM-MG5M
Antenna GSM Magnetic 50, 5dB, MMCX(m), RG174 3m	AO-AGSM-MG5C
Antenna GSM Magnetic 50, 5 dB, SMA(m), RG174/3m	AO-AGSM-MG5S

CONTACTS

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