

# GSM/UMTS ANTENNA

# Antenna GSM/UMTS antenna SMD hexa-band, ceramic PIFA

AO-AG-PA25

SECTRON company offers a wide portfolio of GSM/UMTS 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.



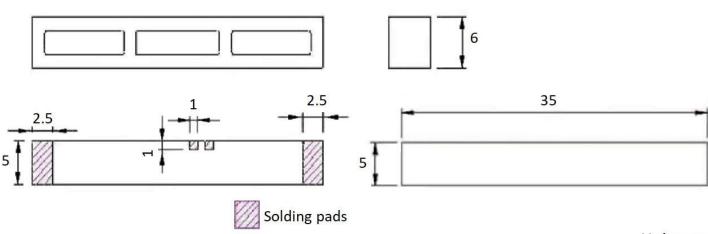
#### **BENEFITS**

- Optimized high frequency range
- Minimalist design

FEATURES AO-AG-PA25

Technology	GSM/UMTS
Frequency bands	800/900/1700/2100 MHz
Bandwidth	-
Gain	1 - 4.6 dBi
VSWR	<3.5:1
Impedance	50 Ohm
Directivity	Omnidirectional
Beam angle	-
Polarization	Linear
Maximum input power	-
Power voltage	-
Dimensions	35 x 6 x 5 mm
Weight	3.29 g
Operating temperature	-40 to +80 °C
Execution	Internal
Method of attachment	Soldering
Cable type	-
The cable length	-
Connector type	-

# DRAWING



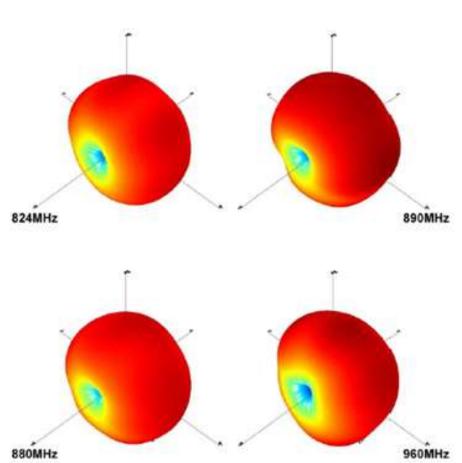
Unit: mm

## Gain and Efficiency vs Frequency

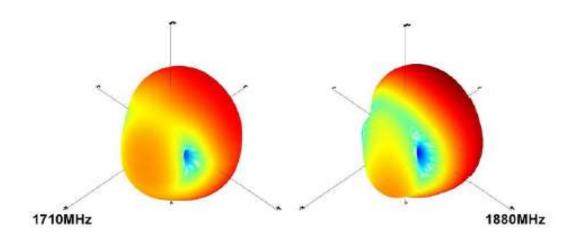
Penta-Band antenna peak gain parameter summary											
Band	GSM (MHz)			DCS (MHz)		PCS (MHz)		WCDMA (MHz)			
	824	890	880	960	1710	1880	1850	1990	2110	2170	
Peak Gain(dBi)	1.49	0.92	1.76	1.35	2.53	2.38	2.30	2.46	2.69	4.62	
Efficiency(%)	60.6	65.4	69.3	64.6	54.7	63.1	61.6	51.5	56.2	65.8	

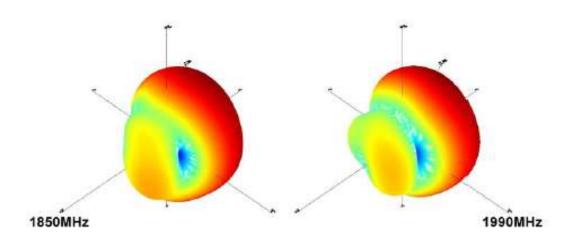
SIMULATED GRAFS AO-AG-PA25

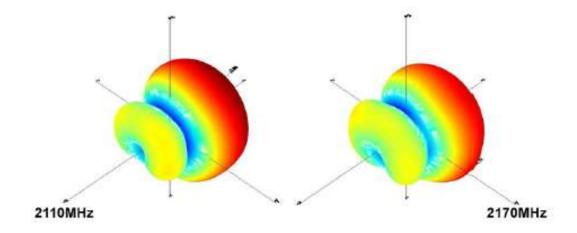
## Radiation pattern



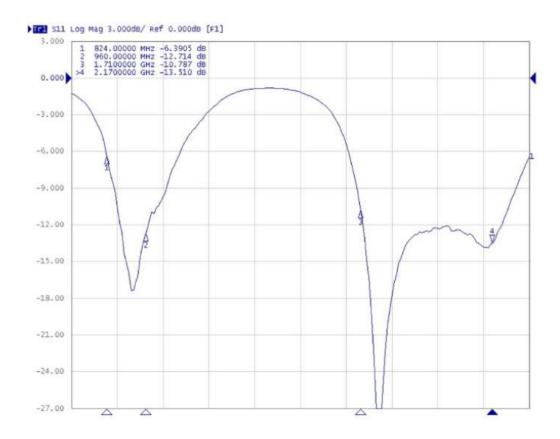
#### **Radiation pattern**







Graph -S11



WWW.SECTRON.CZ

Tel.: +420 556 621 021

#### **VARIANTS**

Different connector variants or cable lengths are available on request.

#### CONTACTS