

SPECIFICATION

Part No. : **PC23.09.0100A**

Product Name: Internal Circular PCB Antenna

AMPS/GSM/PCS/DCS Cellular PCB Antenna

100mm 1.13 MMCX(M)RA

Features : Diameter 42mm*Height 1.6mm

Photo:





1. Introduction

The PC23 Internal PCB Antenna is a circular Quad-band GSM antenna for incorporation antennas and transceiver modules worldwide. Omni-directional high gain across all bands ensures constant reception and transmission. Cables and connectors are fully customizable.

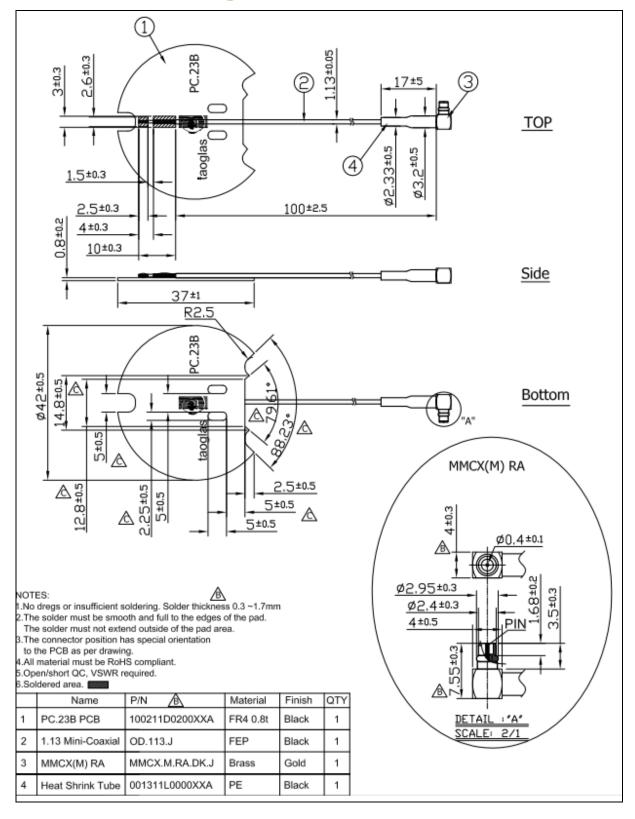
2. Typical Antenna Performance in free space

Specifications ELECTRICAL				
Band	824-896	880-960	1850-1990	1710-1880
Return Loss	-12 dB	-25 dB	-12 dB	-10 dB
Gain	Average 0 dBi			
Polarization	Linear			
Impedance	50 ohms			
Input Power	10 watts			
Input Connection	Coaxial Cable - RG174 Standard, Fully customizable			
VSWR (Min performance)	<2.0:1			

*note: specifications may be subject to change

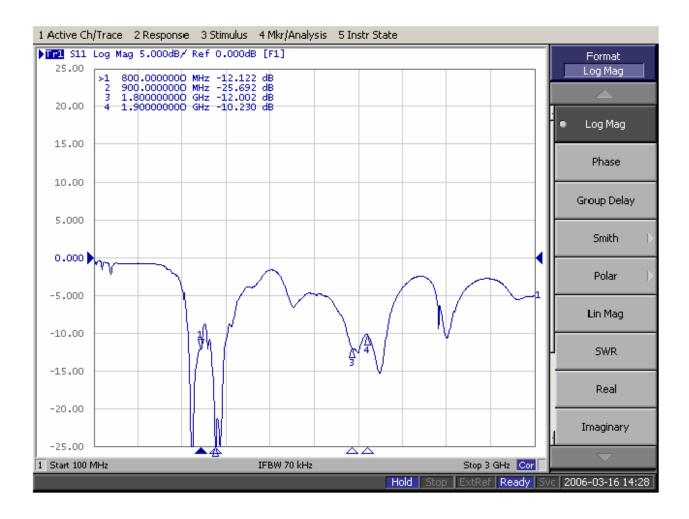


3. Outline Drawing





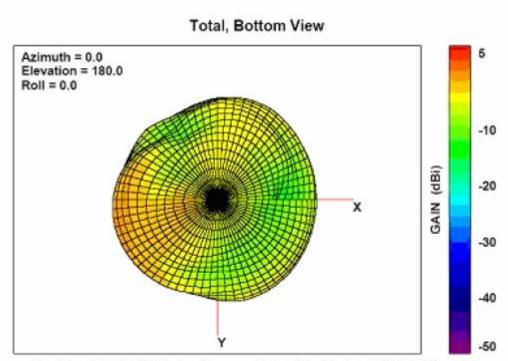
4. S11 Magnitude





5. Radiation Patterns

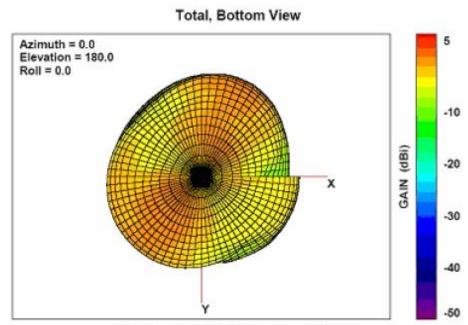
800 MHz - 3D Radiation Pattern



Free-Space Total GAIN, Bottom View, ~ paNodes [2] <dStartFreqMHz %-0.1f>> MHz

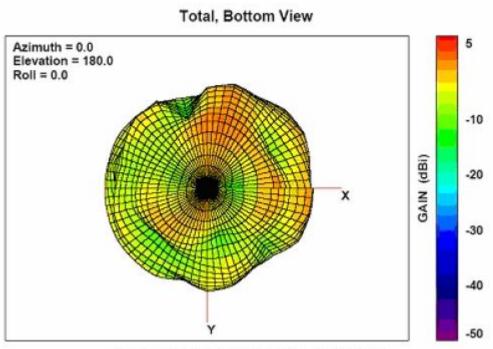


900 MHz - 3D Radiation Pattern



Free-Space Total GAIN, Bottom View, 900.0 MHz

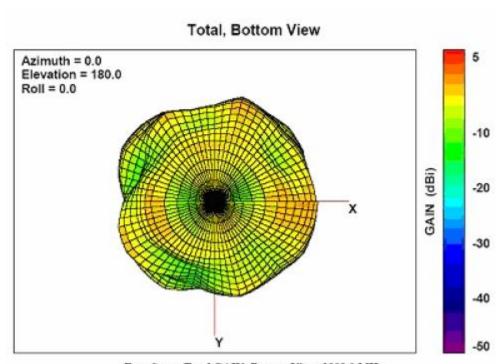
1800 MHz - 3D Radiation Pattern



Free-Space Total GAIN, Bottom View, 1800.0 MHz



1900 MHz - 3D Radiation Pattern



Free-Space Total GAIN, Bottom View, 1900.0 MHz