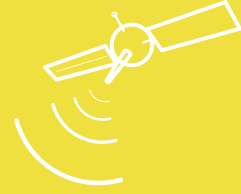




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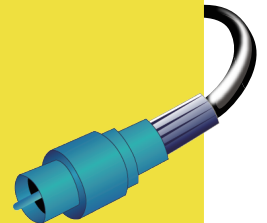
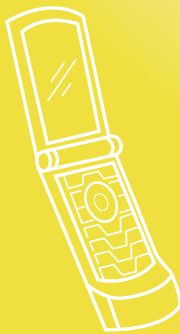
047



PRODUCT SPECIFICATION

GSM Quad Band Magnetic type Antenna

Product No. AM002WSG08XXX



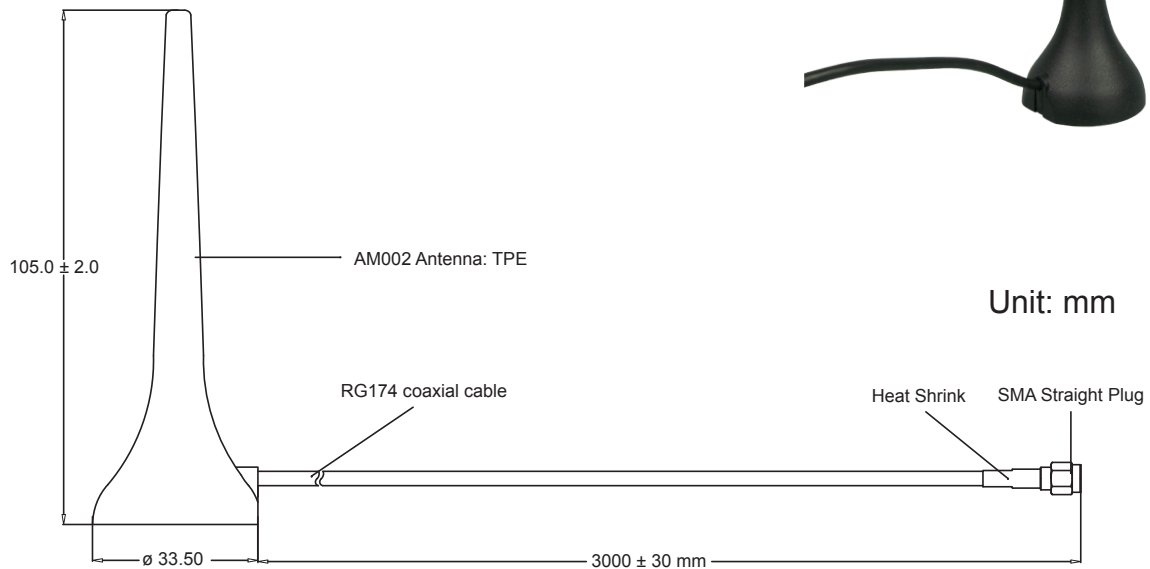
RF Connector, RF Cable & Antenna Manufacturer

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GSM Quad Band Magnetic type Antenna

P/N AM002WSG08XXX

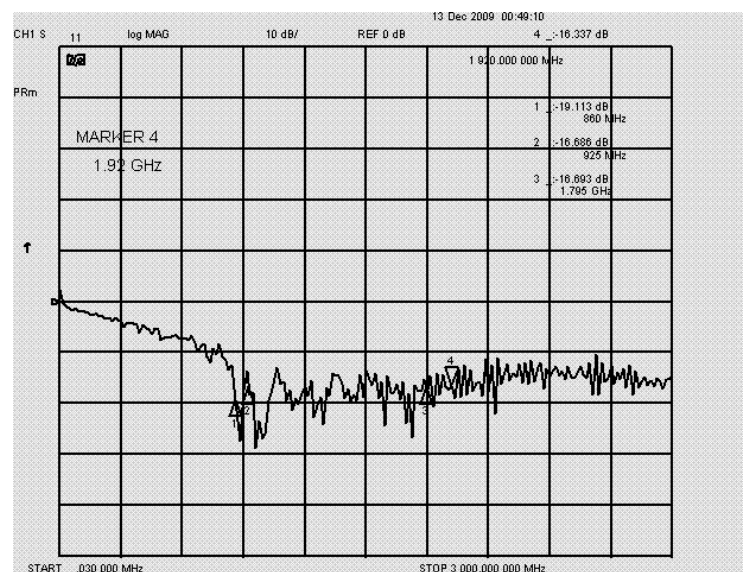
Structure Figure



Specification

Antenna Tube	TPE (Black)
Connector	SMA Straight Plug FME Straight Jack or Per request
Cable	RG174 coaxial cable (Black)
Cable Length	3M
Operating Temperature	-20°C~+80°C
Storage Temperature	-20°C~+80°C
Frequency	850/900/1800/1900 MHz
Impedance	50 Ohm
Gain	-3 ± 0.7dBi @ 880~960 MHz 0 ± 0.7dBi @ 1710~2170 MHz
Impedance	50 Ω
VSWR	≤ 2.0 @ 880~960 MHz ≤ 2.0 @ 1710~1880 MHz

S Parameter Test data



Reliability Testing

Test Item	Procedure	Requirement
Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < $\pm 5\%$
Damp Heat	24 hours at 60°C 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < $\pm 5\%$
Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < $\pm 5\%$

Antenna Radiation Pattern

Testing Equipment Specification

Antenna Anechoic Chamber Dimension	8 x 4 x 4 m
Quiet Zone	600mm @1 GHz
Isolation	>100dB @ 1 MHz ~ 10 GHz
Testing Equipment	Agilent 5071B
Received Antenna	0.7 ~ 6.0 GHz for Gain Calibration Double Ridged Horn Antenna

