



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## SPECIFICATION

- Part No. : **GSA.8825.051M11**
- Product Name : I-Wand Penta-Band GSM Antenna  
Works with  
AMPS 850MHz/GSM 900/DCS 1800MHz/PCS  
1900MHz/UMTS 3G
- Features : Easy installation – Adjustable Clip  
Fully customized cable and connector  
Standard = Length 0.5M with CRC9 connector  
**RoHS Compliant**

Photo :



## 1. Introduction

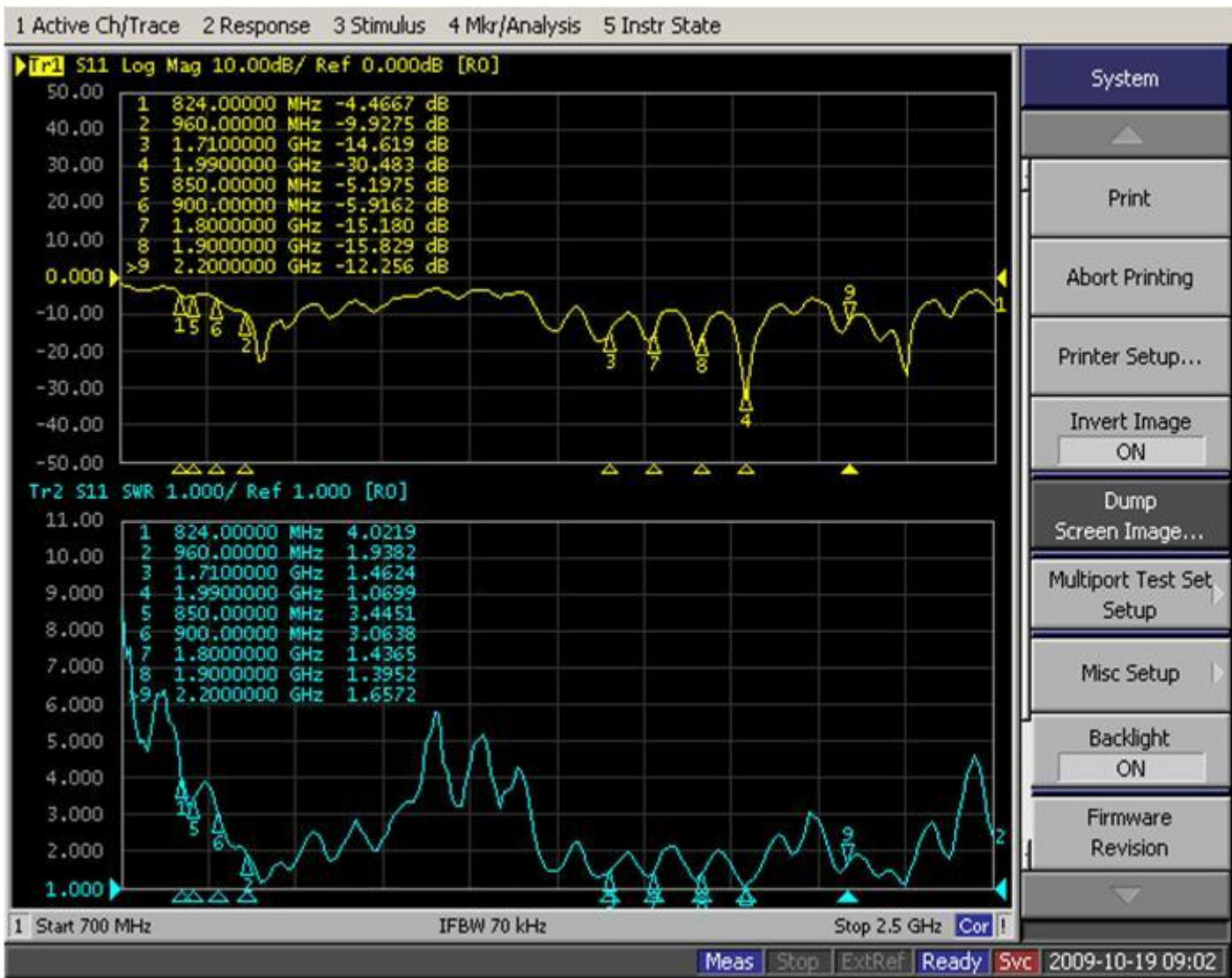
The **GSA.8825** I-Wand Penta-band GSM Antenna is flexible and robust. Its Omni-directional gain across all bands ensures constant reception and transmission. It is a high gain, high efficiency solution. Cables and connectors are fully customizable.

## 2. Antenna Specifications

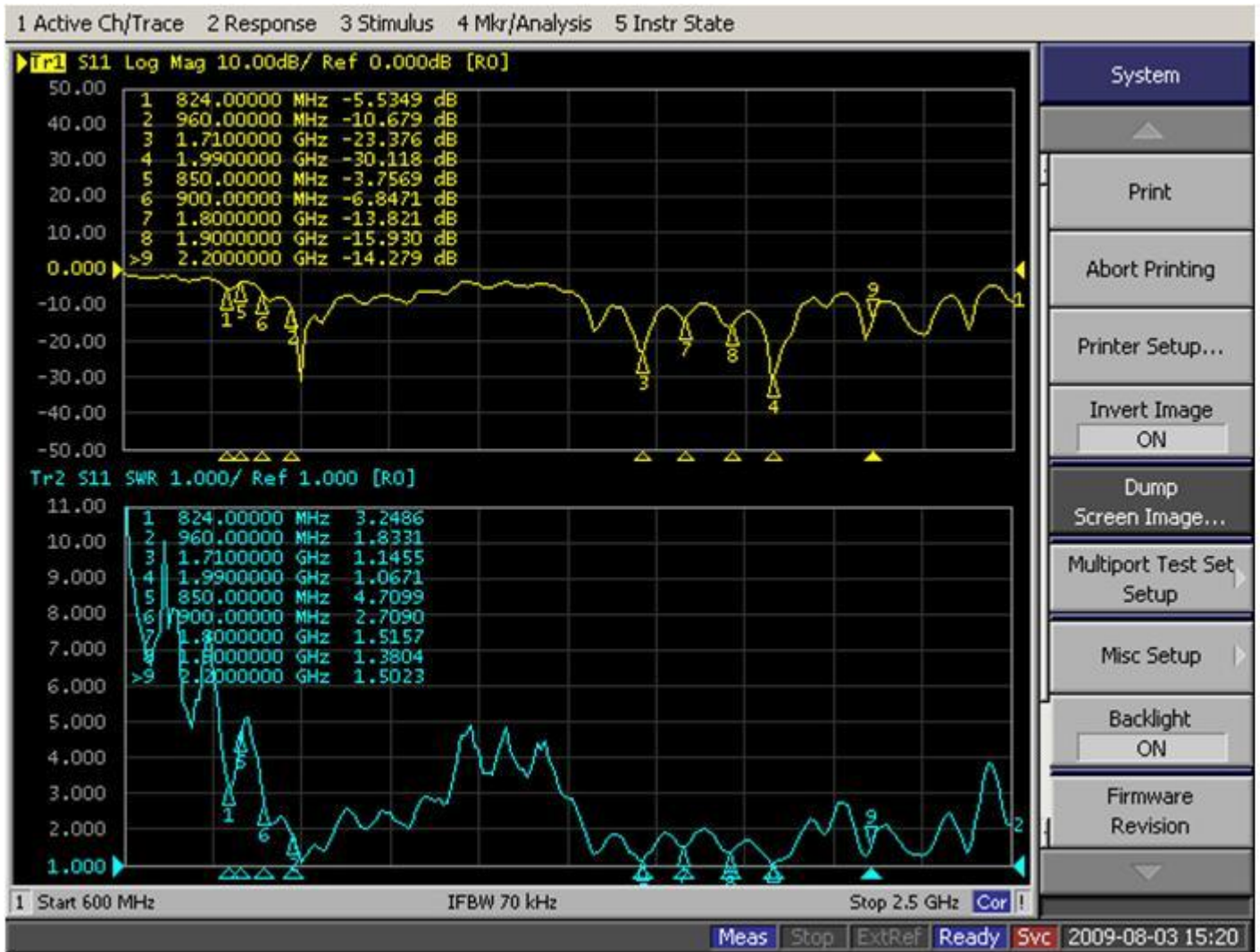
Communication System	Penta-band Cellular				
	AMPS	GSM	DCS	PCS	UMTS
Frequency (MHz)	824 ~ 896	880~960	1710~1880	1850~1990	1710~2170
Impedance	50 Ohm				
Radiation Pattern	Omni-directional				
Polarization	Linear (Vertical)				
Gain	2dBi				
Input Connection	Coaxial Cable - RG174 Standard, Fully customizable				
VSWR	< 2.0 : 1				
Dimensions (mm)	140 x 25.2mm				
Weight	48g				
Casing	Engineering Plastic - Black				
Temperature Range	-40°C to +85°C				

### 3. Antenna Electrical Characteristics

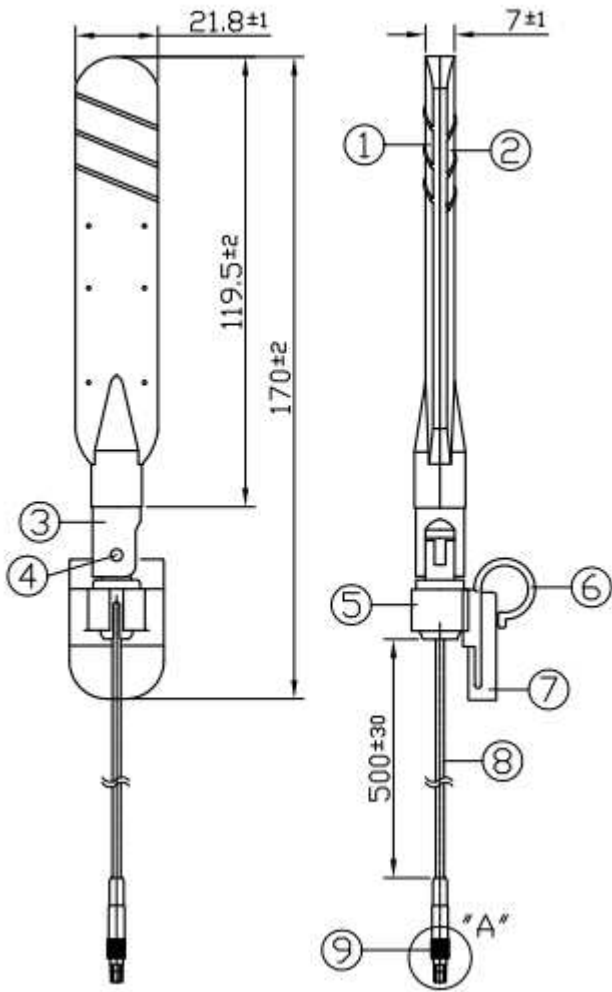
#### 3.1 Return Loss & VSWR – GSA.8825– 1M RG-174 FME(F)



### 3.2 Return Loss & VSWR – GSA.8825.101N11 – 1M RG-174 SMK(M)



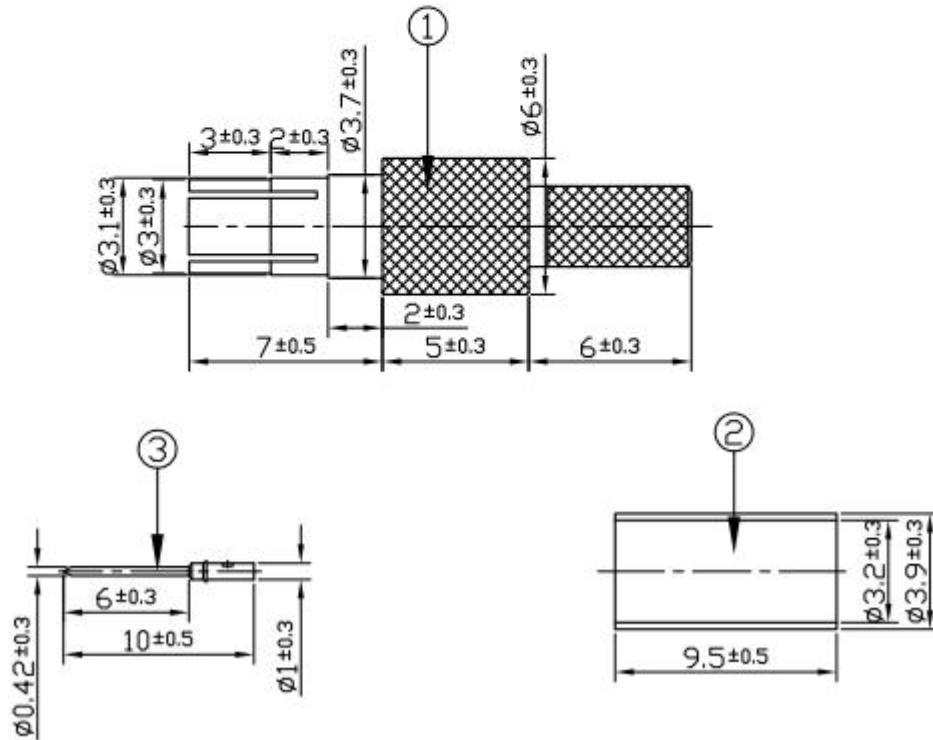
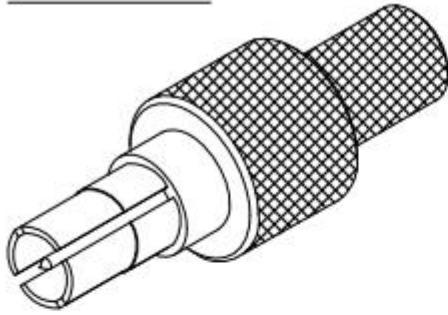
## 4. Mechanical Drawing (unit:mm)



	Name	Material	Finish	QTY
1	Housing_Top	ABS	Black	1
2	Housing_Bottom	ABS	Black	1
3	Hinge_Top	ABS	Black	1
4	Rotary Shaft	ABS	Black	1
5	Hinge_Bottom	Brass	Black	1
6	Body_Fix	ABS	Black	1
7	Sheet_Fix	ABS	Black	1
8	RG-174	PVC	Black	1
9	CRC9(M) ST	Brass	Gold	1

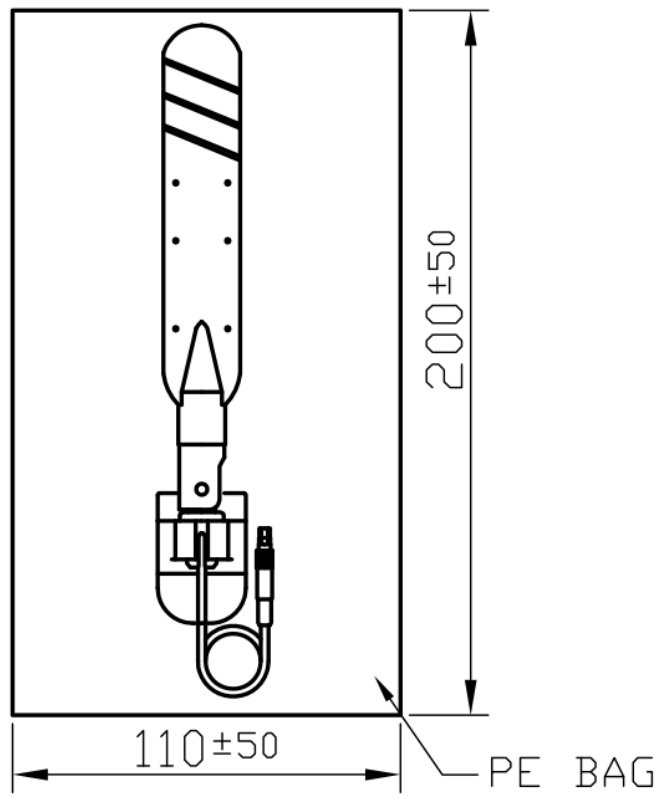
## 4.1 Connector Drawing

### 3D View



P/N	Name	Material	Finish	QTY
①	Assembly Body	Brass	Ni Plated	1
②	Ferrule	Brass	Ni Plated	1
③	PIN	Phos Bronze	Gold	1

## 5. Packaging



PACKING: 1PCS/BAG