

SPECIFICATIONS SHEET

MT01x ANTENNA

CONFIDENTIAL

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1. General Application

This document specifies the chip antenna for the mobile communication terminal.

Model Number	MT01x
Application	GSM900 / DCS1800

2. Technical Specification

2.1 Electrical Specification

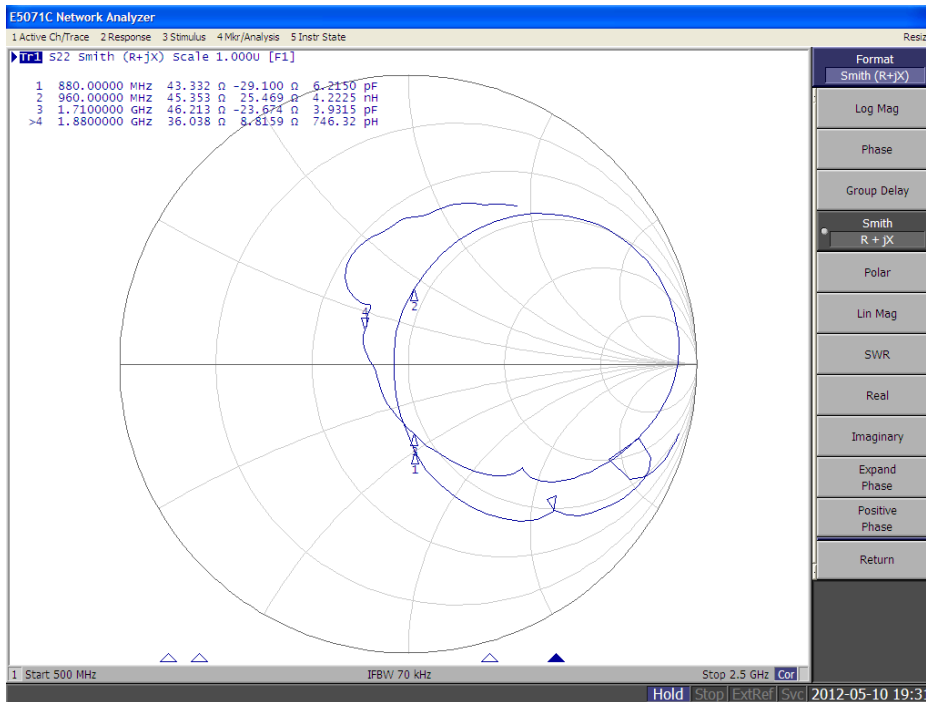
No	Item	Specification		Remarks
1	Frequency Range	880MHz ~ 960MHz		GSM900
		1710MHz ~ 1880MHz		DCS1800
2	VSWR	3 : 1		MAX
3	Impedance	50 Ω		
4	3D Efficiency	GSM900	40%	Test Jig (40 x90 x 1.2mm)
		DCS1800	55%	
5	Polarization	Linear		
6	Radiation Pattern	Omni directional		

2.2 Mechanical Specification

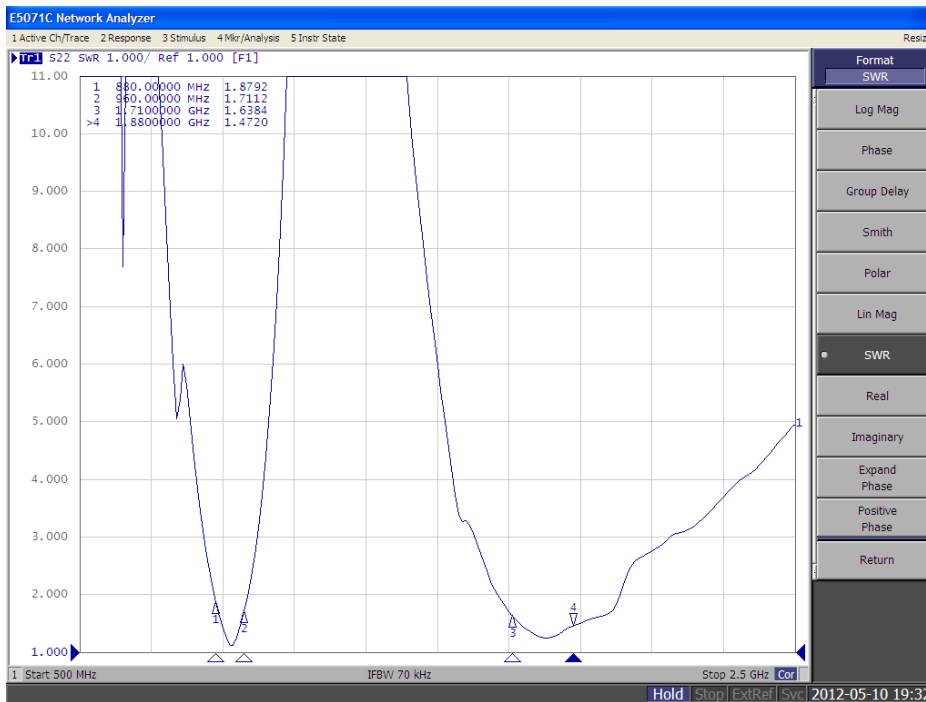
No	Item	Specification	Remarks
1	Dimension	15 * 6 * 2.4(H)mm	
2	Radiator Material	Copper	
3	Operating Temperature	-30℃ ~ +80℃	
4	Operating Humidity	10% ~ 90%	
5	Weight	<1g	
6	Connector Type	solder	

3. Measurement Data

3.1 VSWR & Smith Chart



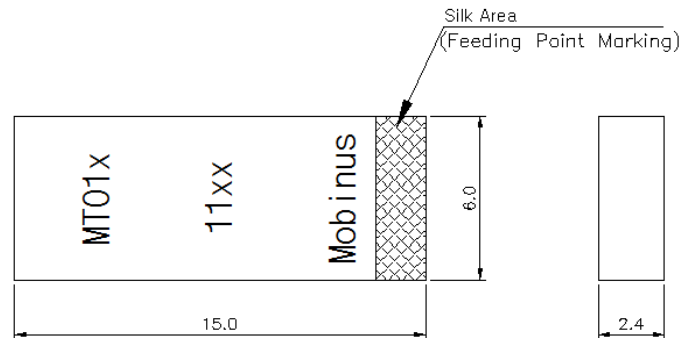
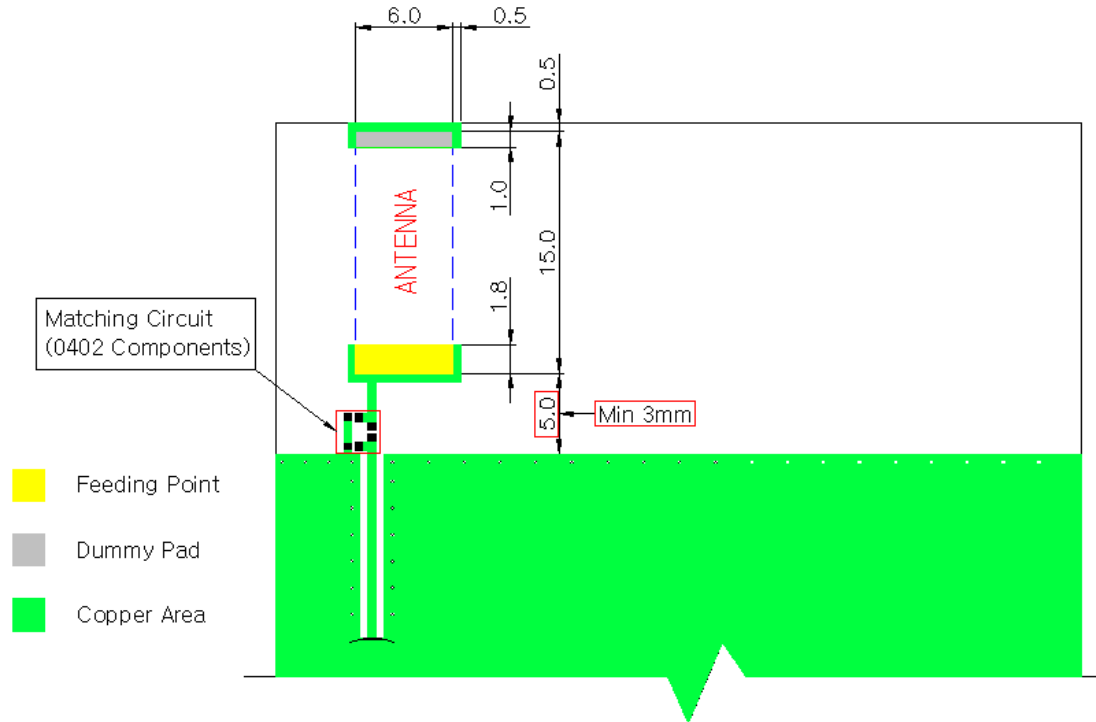
< Smith Chart >



< VSWR >

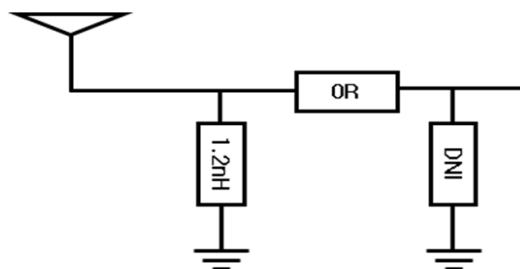
Fig 2. VSWR & Smith Chart

4. Application Guide



< Mechanical Drawings >

4.2 Default Condition Maching Circuit



< Default Matching Value >