

RFID

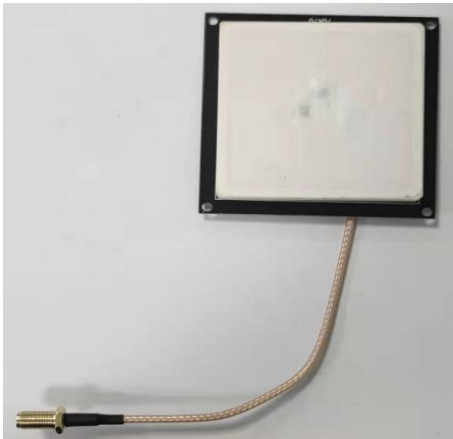


RFID Dual Feed Point Ceramic Antenna Specification Sheet

1. Product introduction

The 3C60 ceramic antenna is a built-in UHF antenna suitable for UHF band RFID handheld terminals, flat panels, printing terminals and other occasions. This product adopts a circular polarization design with double feed points, which has the characteristics of small volume, high gain and low VSWR.

2. Product pictures



1. Product characteristics

- ⊗ High performance: It has the characteristics of high gain and low standing wave
- ⊗ Miniaturization: Compact in form and excellent in material
- ⊗ Reliability: Anti-aging, long-lasting
- ⊗ Application scenarios: RFID handheld terminals, tablets, printing terminals and other portable occasion applications

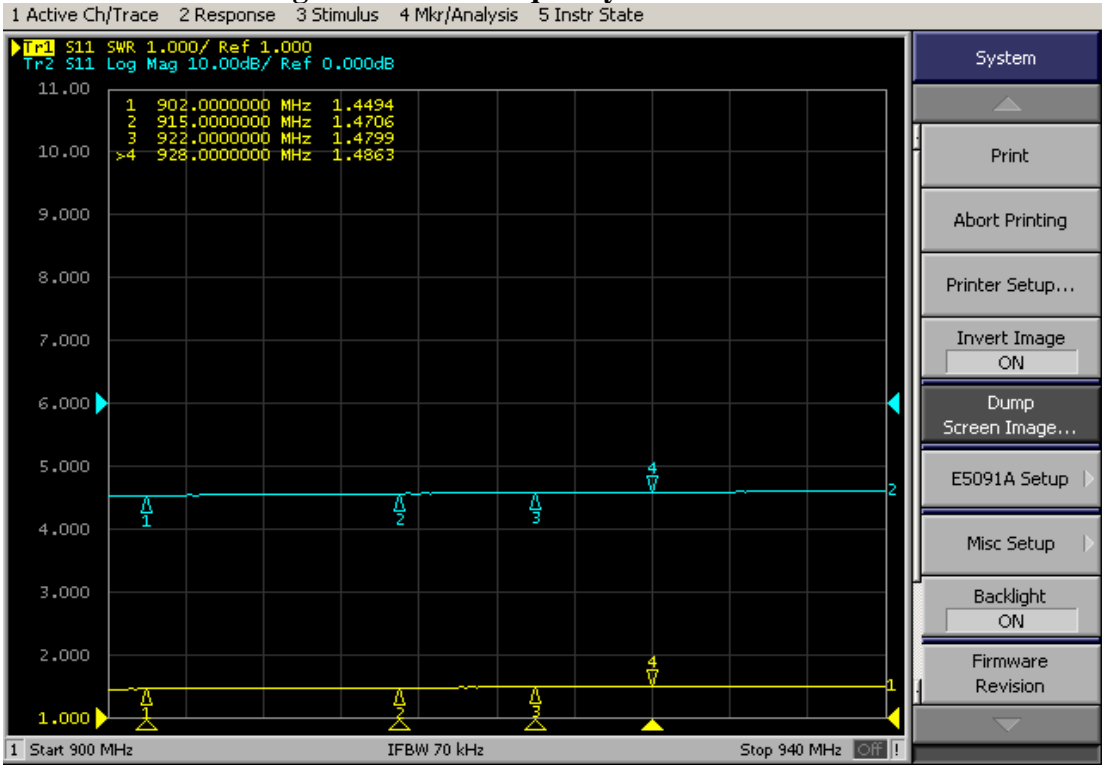
—、1. Product parameters

2.

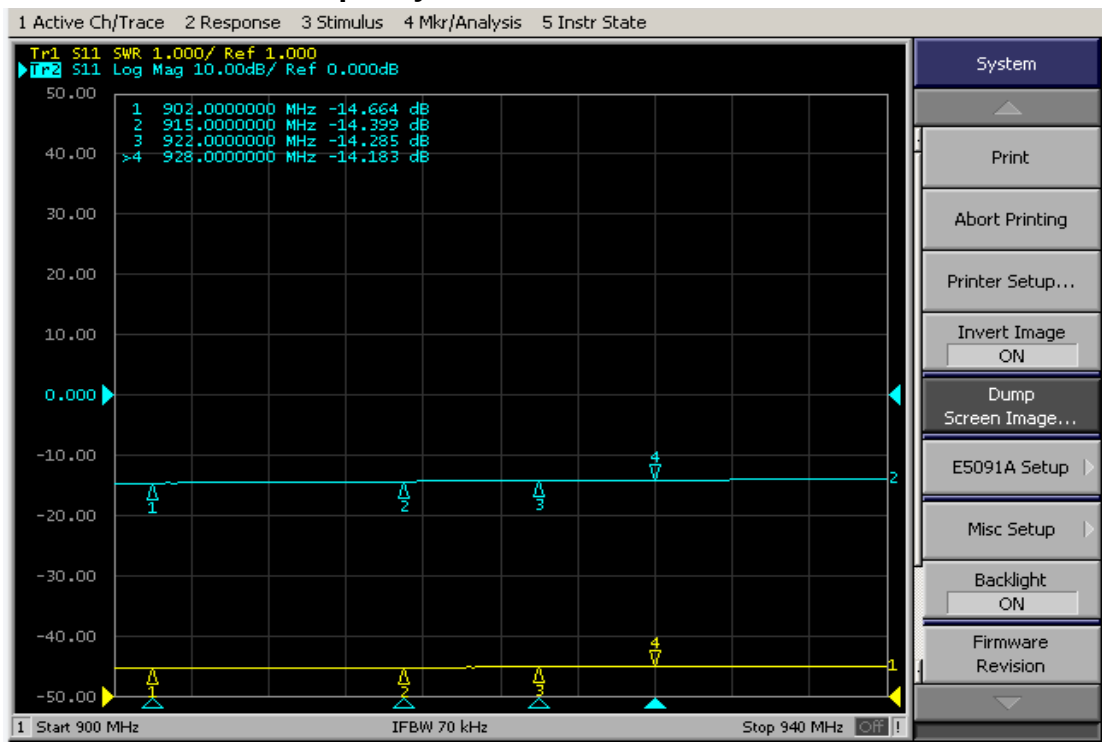
Functional parameters	
RFID protocol	EPC Class1 Gen2, ISO18000-6C
frequency	902MHz ~ 928MHz
Polarization mode	Circular polarization
Gain (dBi)	3.02dBi
Impedance (Ω)	50Ω
Voltage Standing Wave Ratio (VSWR)	≤1.3
Physical parameters	
Product Size (mm)	70 mm×70 mm×8mm (ceramic body 60*60mm×4mm)
Weight (net)	86g
Joint type	SMA (MMCX customizable)
Environmental specifications	
Operating Temperature (°C)	-40°C ~ +85°C

Antenna characteristic curve

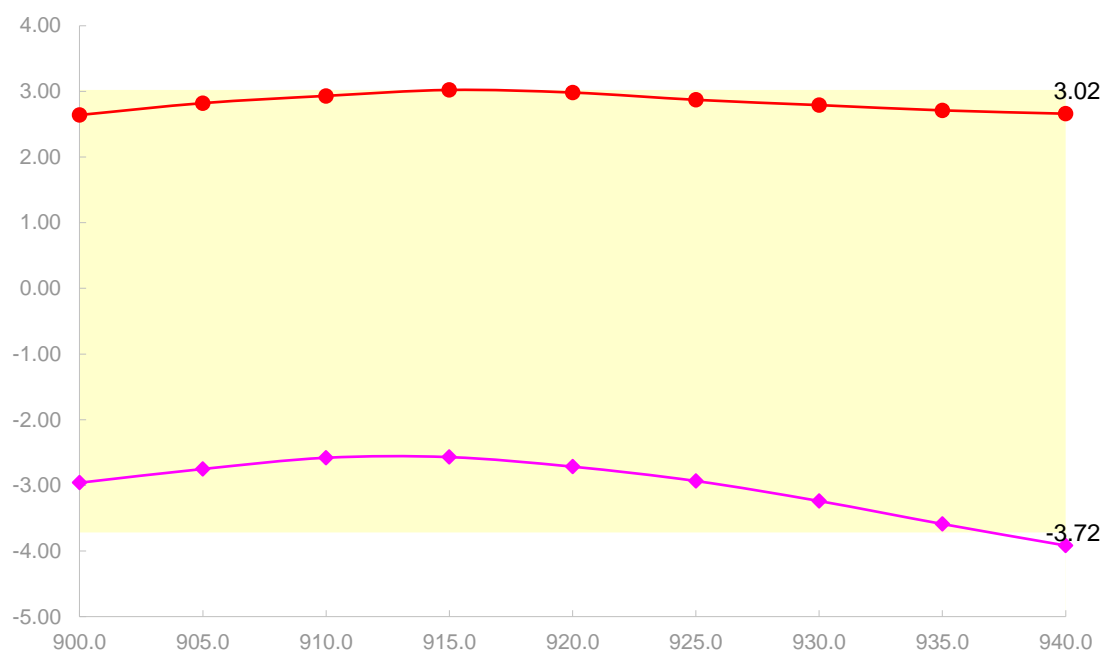
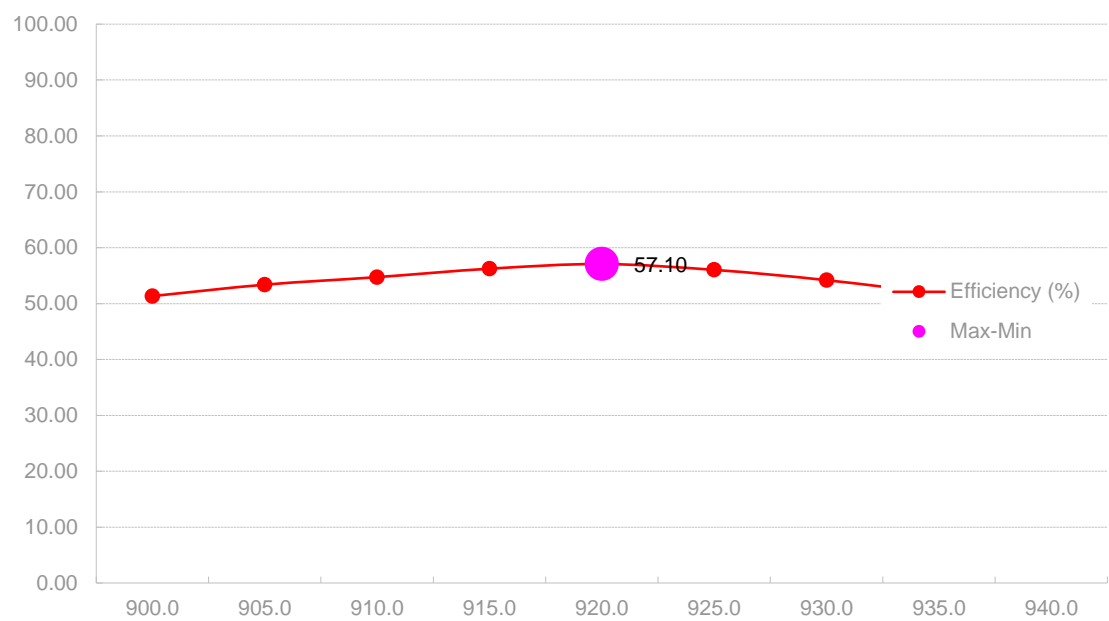
1. Voltage VSWR VSWR change curve with frequency:



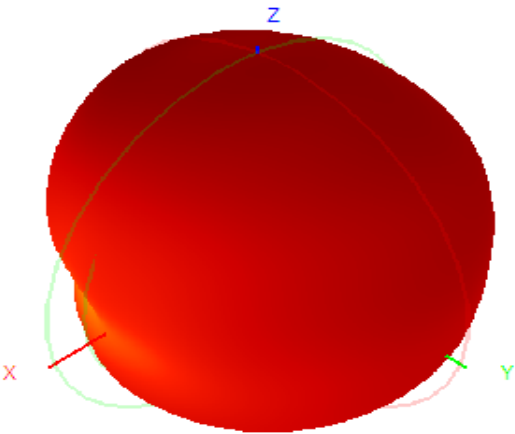
2. Return loss S11 curve with frequency:



3 Antenna characteristic curve measured in the darkroom



Passive Test 900MHz											
Fre.(MHz)	900	910	920	930	940	950	960	970	980	990	1000
Effi(%)	55.51	56.93	57.10	55.50	56.52	56.09	55.52	56.06	56.11	55.47	56.83
Gain(dBi)	2.84	2.88	3.02	2.94	2.96	2.92	2.91	2.94	2.83	2.85	2.85



六、 Dimensional structure drawing

