

# 深圳创讯实业有限公司 样品承认书

客户名称： 东莞市天翼通讯电子有限公司

物料名称： 天线

40/00500080

物料规格： RFECA3216060A19C3C

品牌： WALSIN

版本： V001

确认日期： 2021-11-02

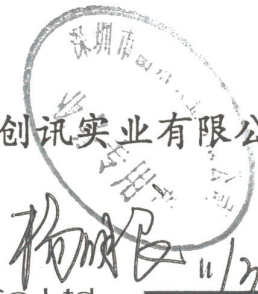
备案号：

客户承认：



深圳市创讯实业有限公司

核准：



# APPROVAL SHEET

MULTILAYER CERAMIC ANTENNA

**RFECA Series – RoHS Compliance**

Halogens Free Product

2.4 GHz ISM Band Working Frequency

**P/N: RFECA3216060A19C3C**

\*Contents in this sheet are subject to change without prior notice.

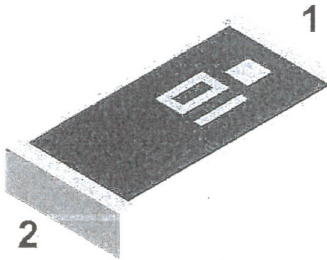
### FEATURES

1. Surface Mounted Devices with a small dimension of  $3.2 \times 1.6 \times 0.6 \text{ mm}^3$  meet future miniaturization trend.
2. LTCC process.
3. High stability in Temperature / Humidity Change.
4. Superb performance to place on the middle of PCB edge and excellent peak/ average gain observed by field test application.

### APPLICATIONS

1. ISM Band 2.4GHz applications.
2. Bluetooth..

### CONSTRUCTION

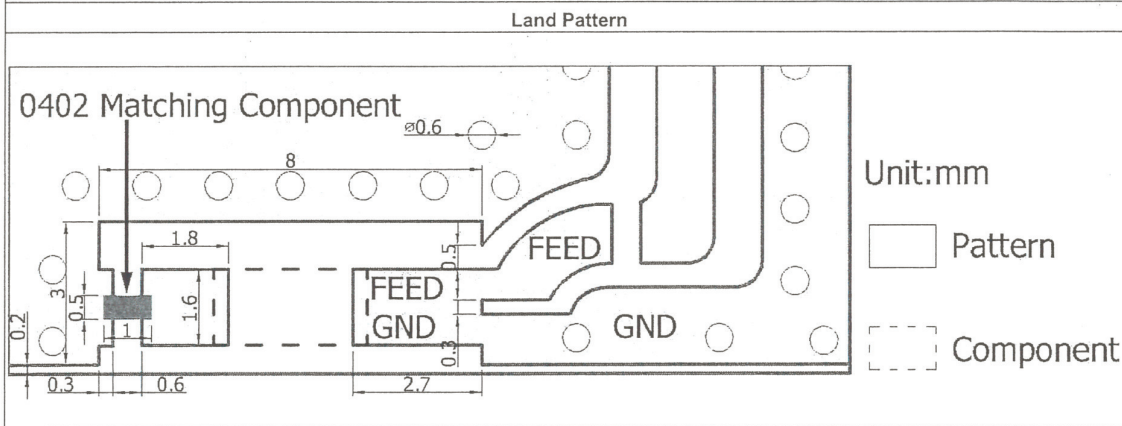
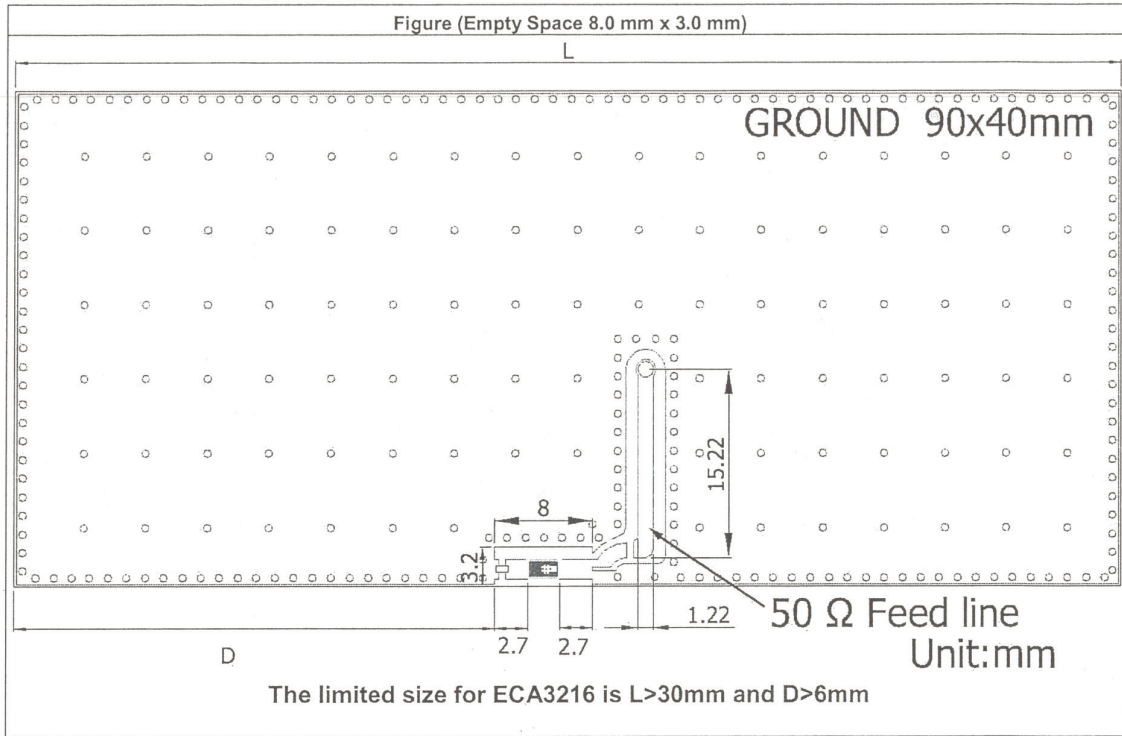


PIN	Connection
1	Feeding
2	Soldering terminal

### DIMENSIONS

Figure	Symbol	Dimension (mm)
	L	$3.10 \pm 0.20$
	W	$1.60 \pm 0.20$
	T	$0.60 \pm 0.10$
	A	$0.25 \pm 0.20$

**SOLDER LAND PATTERN DESIGN**

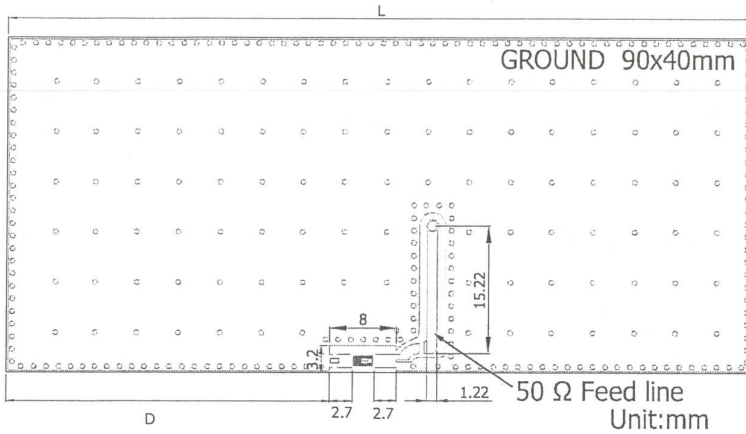


**TYPE 1 ELECTRONIC CHARACTERISTICS**

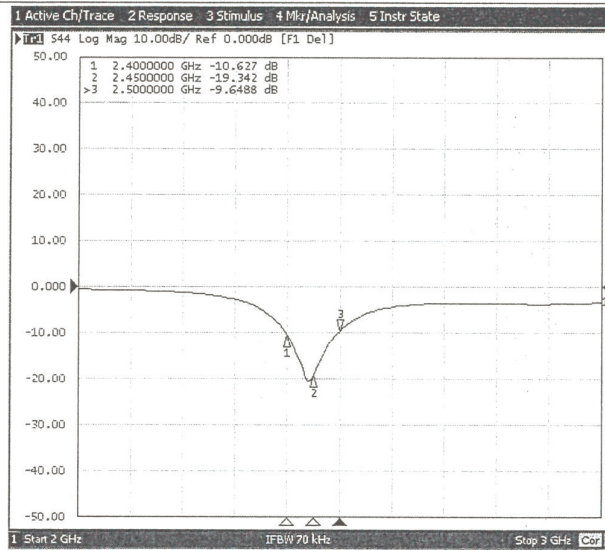
Item	Specification
Working Frequency Range	2.4GHz~2.4835GHz (Note-1)
Gain	2 dBi (Typical)
VSWR	2.1 max.
Polarization	Linear
Azimuth Bandwidth	Omni-directional
Impedance	50 $\Omega$

\*Note 1. Central Frequency should be defined after customers' application approval.

Antenna on Test Board ( Thickness 0.8mm)



Antenna S11 on Test Board



Antenna VSWR on Test Board

