



苏州爱普拉斯微电子有限公司  
SUZHOU A\_PLUS MICRO- ELECTRONICS CO., LTD.

# 规格书

## SPECIFICATION

**CUSTOMER**

客 户: Siemens Medical Instruments Pte, Ltd.

**PART. NO.**

客 户 品 名: 10828465

**CUSTOMER PART. NAME.**

客 户 品 名: WL ANTENNA D9 5.7MM SMD

**INFORMATION PREPARED BY:**

内 容 提 供: Eric

**DATE:**

日 期: 2014 .10 .14

供应商名称 (Supplier Name) :

苏州爱普拉斯微电子有限公司

SuZhou A-Plus Micro-Electronics Co., Ltd.

客 户 (Customer) :

Siemens Medical Instruments Pte. Ltd.

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公 司 名 称: 苏州爱普拉斯微电子有限公司

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## 目 录 (CONTENTS)

序号	名称 (NAME)
1、	Cover-封面
2、	Contents-目录
3、	Electrical Characteritics-电特性
4、	Component Dimensions-产品图纸
5~7、	Ferrite Core Dimensions &Characteristics-磁芯图纸
8~9、	Packaging Specifications
10~12、	Coating Specifications
13	Reflow Soldering Profile (IPC-STD)



## D9 Wireless Antenna SMD 5.70mm

### Electrical Characteristics

*(Temperature /RH= 25°C / 30% relative humidity. unless otherwise specified)*

#### Inductance

<i>Inductance</i>	Leff	37 uH
<i>Leff at 3,28MHz</i>		±2 uH
<i>initial inductance tolerance</i>	Leff	
<i>Inductance tolerance over temperature</i>	Leff / Leff	±2%
<i>(0° C to +40° C) without initial tolerance</i>		

#### Quality Unloaded

<i>Q at 3,28MHz</i>	Qs min	≥50
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#### Self Resonance Frequency

SRF	FSRF	≥10 MHz
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#### DC – Widerstand

<i>DC – Resistance</i>	Rdc	4~6 Ω
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#### Operating Conditions

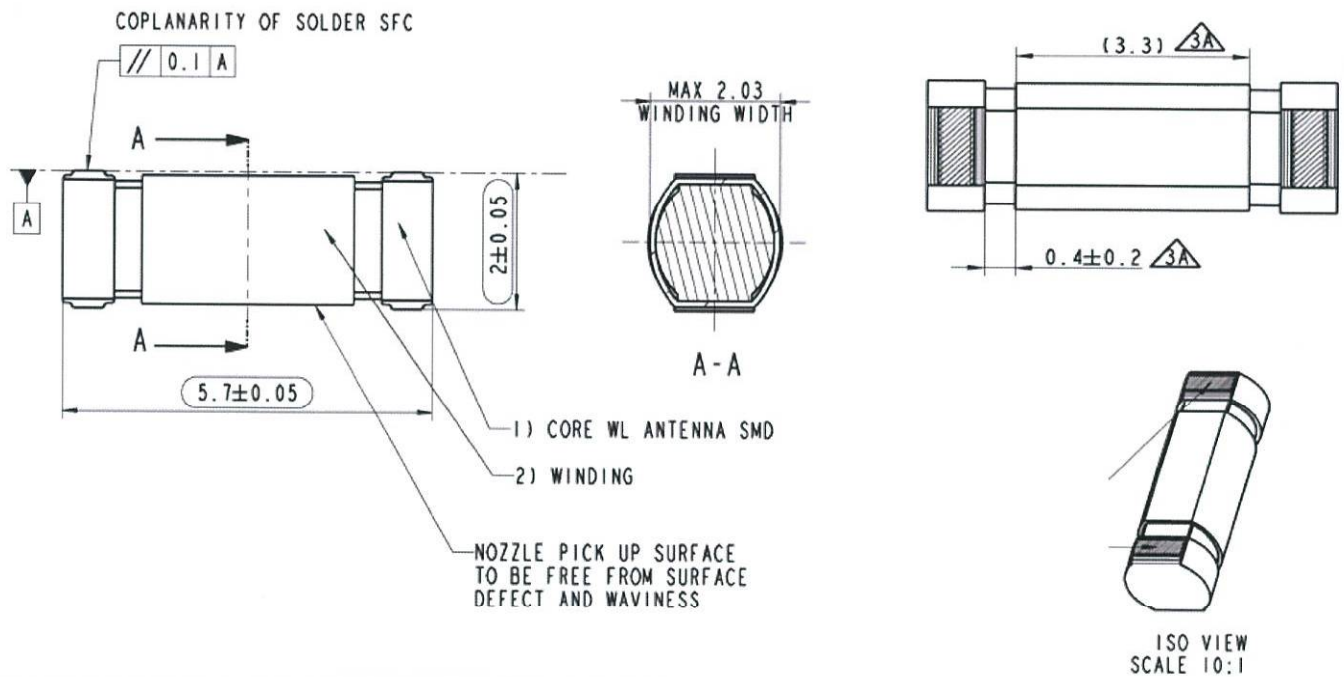
<i>Temperature range</i>	Tlow / Thigh	0° C ... +40° C
<i>Operating current</i>	Idc	typ. 0,1mA
<i>R.M.S. current</i>	Irms	typ. 1mA
<i>Operating voltage</i>	Uop	typ. 2V
<i>Operating frequency</i>	Fop	3,28MHz

#### Sensitivity

<i>Effective magnetic cross section</i>	Ae	≥2300 mm <sup>2</sup>
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### D9 Wireless Antenna SMD 5.70mm (Production)



#### 1. Test Conditions:

Test Condition	3.28MHz/1v
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#### 2. Dimensions:

Length	5.70 ±0.05mm
Height	max. 2.03mm
Width	2.00 ±0.05mm

#### 3. Storage

Storage temperature (without carrier tape and cover tape)	-20 ° C ... +85 ° C
Shelf life (from date on label)	max. 6 months

#### 4. Winding

Number of turns	Typ 65Turns
Wire diameter	0.040mm