

# AKES-11SI Embedded Conformal Antenna Specification

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<b>Part Number</b>	AKES-11SI Embedded Conformal Antenna
<b>Designer</b>	R&D Center
<b>Antenna Type</b>	915MHz Embedded FPC Antenna
<b>Version</b>	V1.0

**Revision history**

Version	Author	Date	Revised Content	Note	Status
V1.0	R&D Center		First creation		

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## 1 Introduction

### 1.1 Description

The AKES-11SI Embedded Conformal Antenna is a 915MHz embedded FPC antenna that designed by ANKON Technologies Co., Ltd. This Antenna works in the frequency range of 902MHz to 928MHz and can be used in AKES-11SI Capsule of the capsule endoscopy system.

### 1.2 Antenna Dimensions

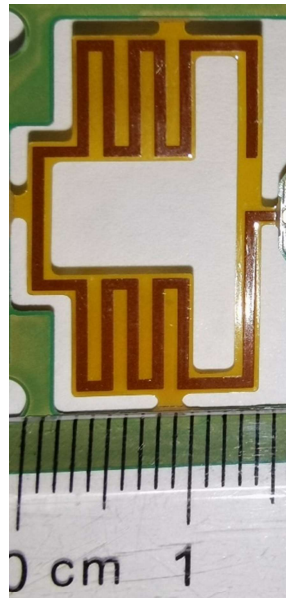


Figure-1 The Picture of the AKES-11SI Embedded Conformal Antenna

The AKES-11SI Embedded Conformal Antenna is made of FPC materials, and the dimension of the antenna is 15.10×23.80×0.10mm.

## 2 Electrical Specifications

### 2.1 Electrical Specifications

Frequency Range (MHz)	902~928
Impedance ( $\Omega$ )	50
VSWR	<2
Peak Gain (dBi)	-32
Polarization	Linear
Radiation Pattern	Omnidirectional
Input Power	1W max
Operating Temperature	-40°C~+85°C

Note: The electrical characteristics refer to the final product test results.