



Chip Antenna Specifications

Unit Name	Chip Antenna
Part Name	KSCA-B0434AY
Date	15 November, 2004

Written by	Checked by	Approved by



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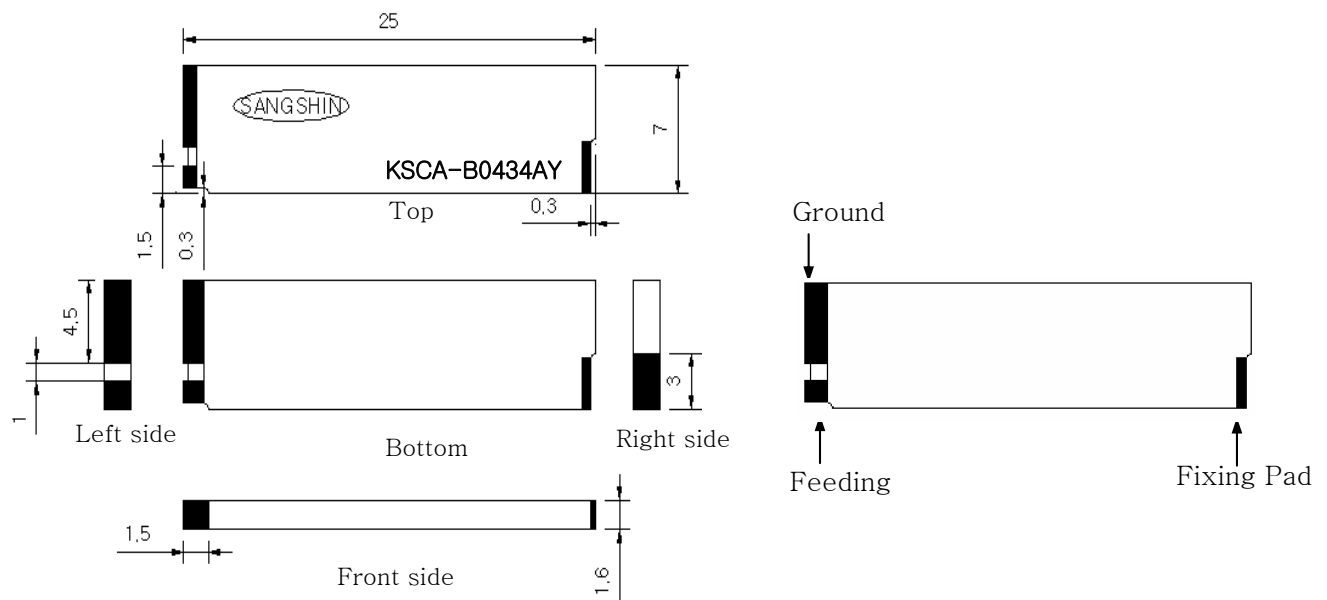
Applications

1. SPECIFICATIONS

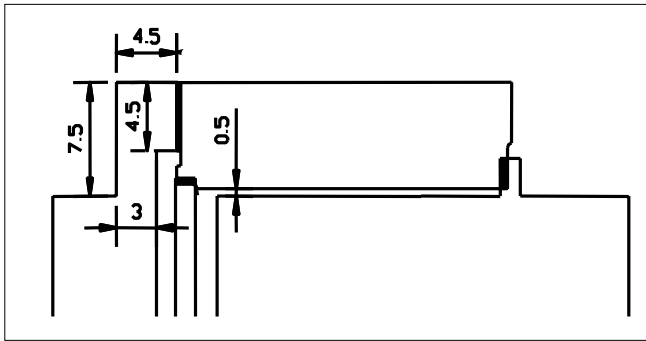
Part No.	KSCA-B0434AY
Center frequency	434 MHz
Dimensions	25.0 × 7.0 × 1.8 mm
Bandwidth in $S_{11} \leq -10\text{dB}$	$f_c \pm 3 \text{ MHz Min.}$
Impedance	50 Ω
Peak gain ⁽¹⁾	-5.8 dBi (in H plane)
Average gain	-8.32 dBi (in H plane)

(1) Peak gain might be influenced by environment.

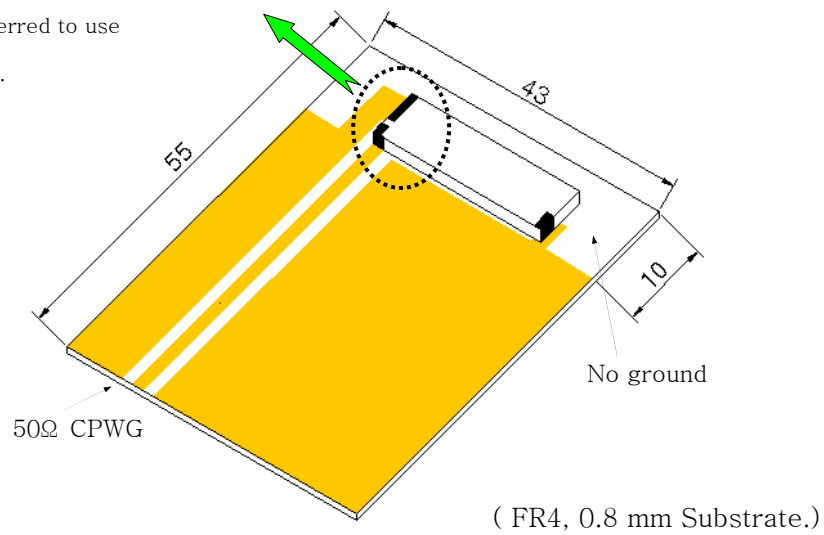
2. Dimensions & Soldering



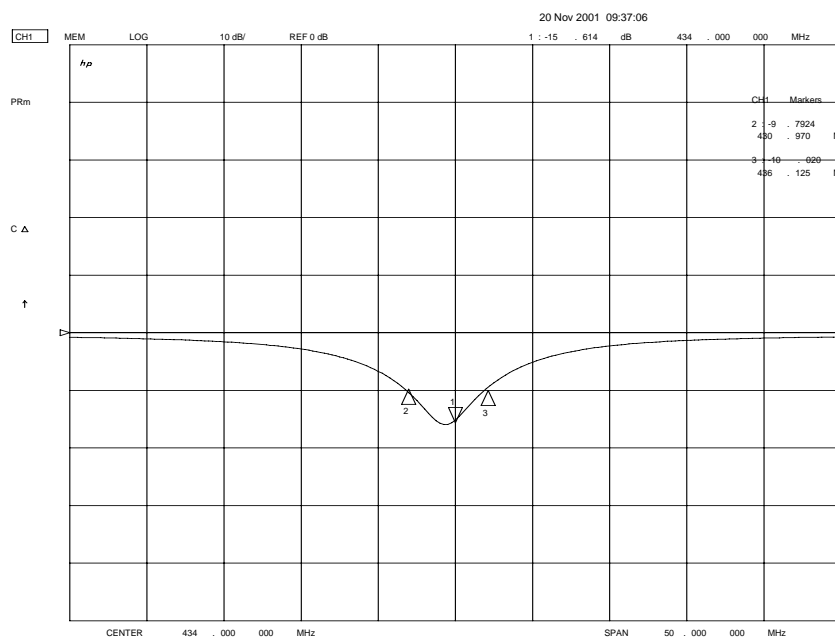
3. STANDARD TEST BOARD & RECOMMENDED LAND PATTERN⁽²⁾



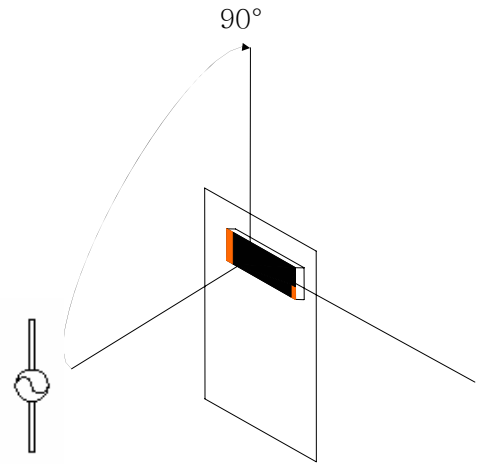
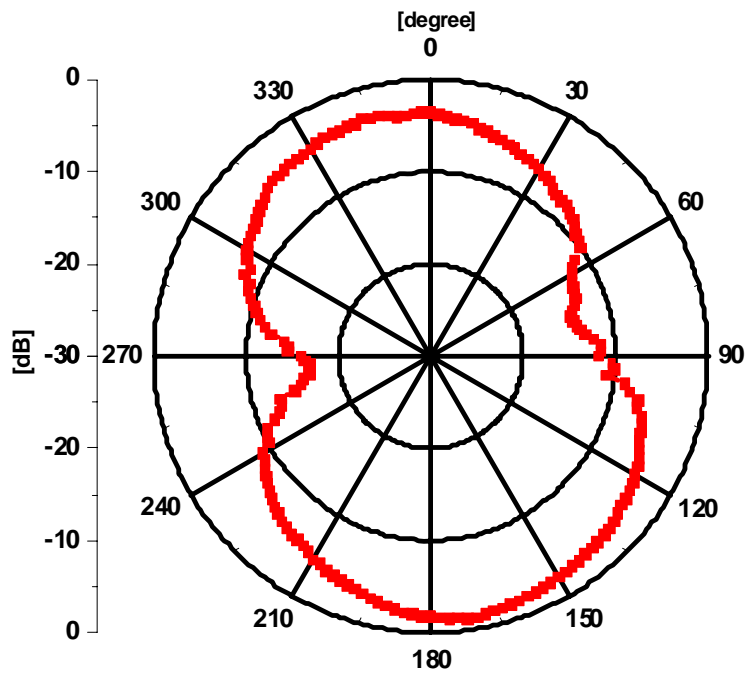
(2) The specifications are referred to use our suggested PCB pattern.



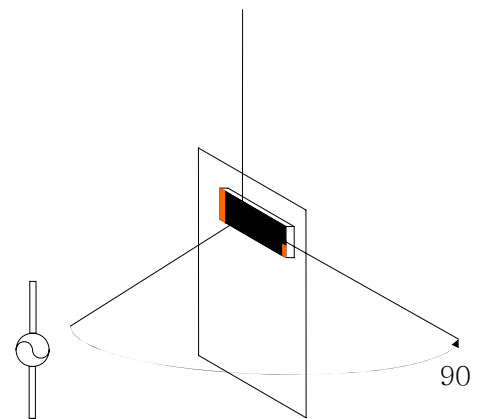
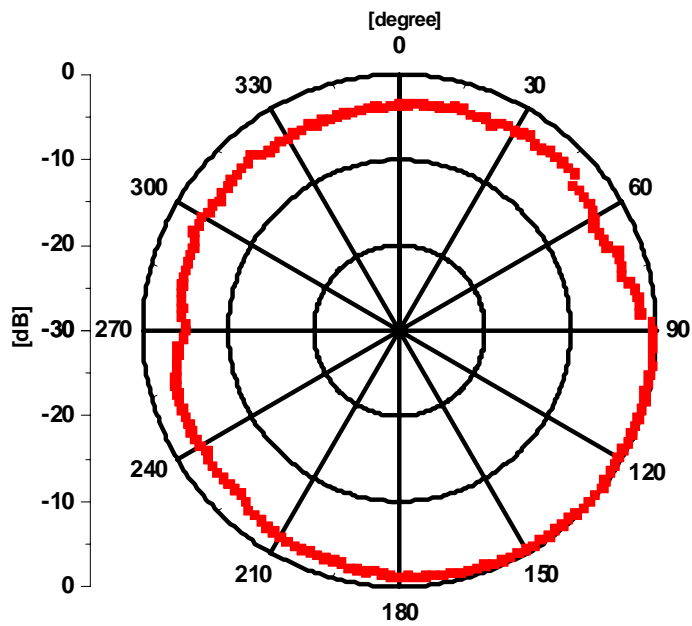
4. MEASURED RETURN LOSS



5. RADIATION PATTERN



(a) E plane



(b) H plane