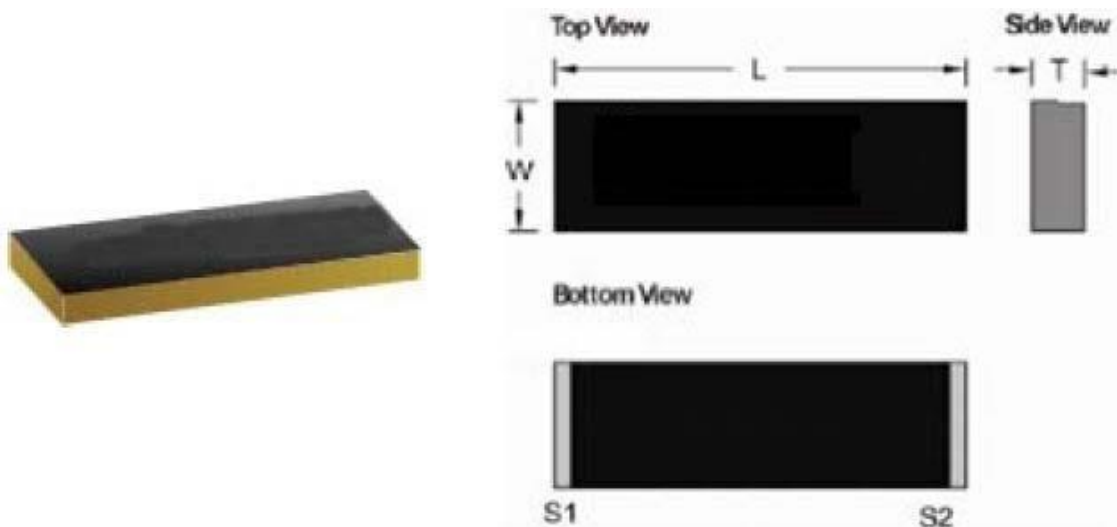


#### ELECTRICAL SPECIFICATION

PARAMETER	VALUE	UNIT
Center Frequency	870	MHz
Bandwidth, typ	30.0	MHz
Azimuth Beamwidth	Omni-directional	-
Peak Gain, typ	1.67	dBi
Return Loss, min	10	dB
Impedance	50	$\Omega$
Polarization	Linear	-
Power, max	1	W
Operating Temperature Range	-40 ~ +85	$^{\circ}\text{C}$

#### MECHANICAL SPECIFICATION

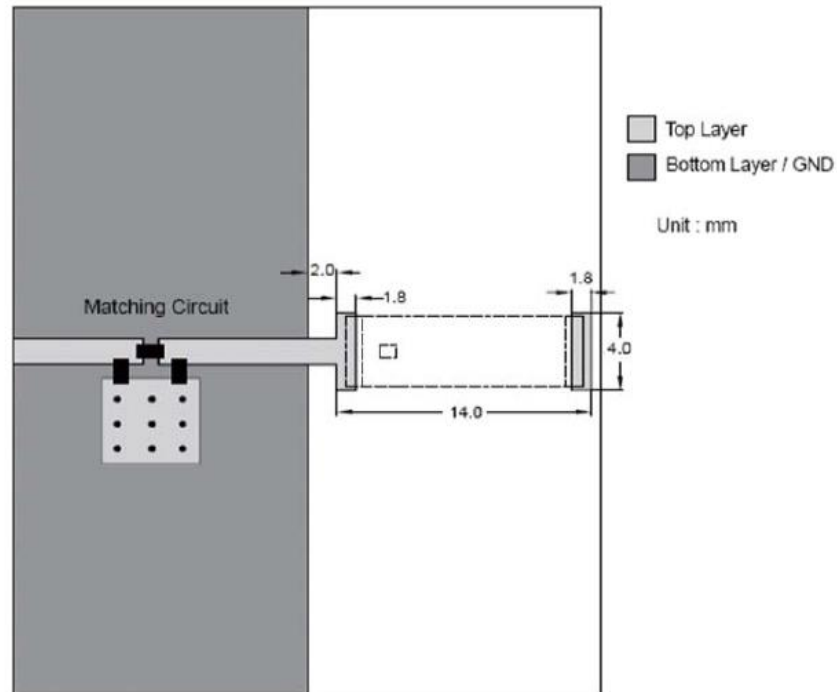


Unit: mm

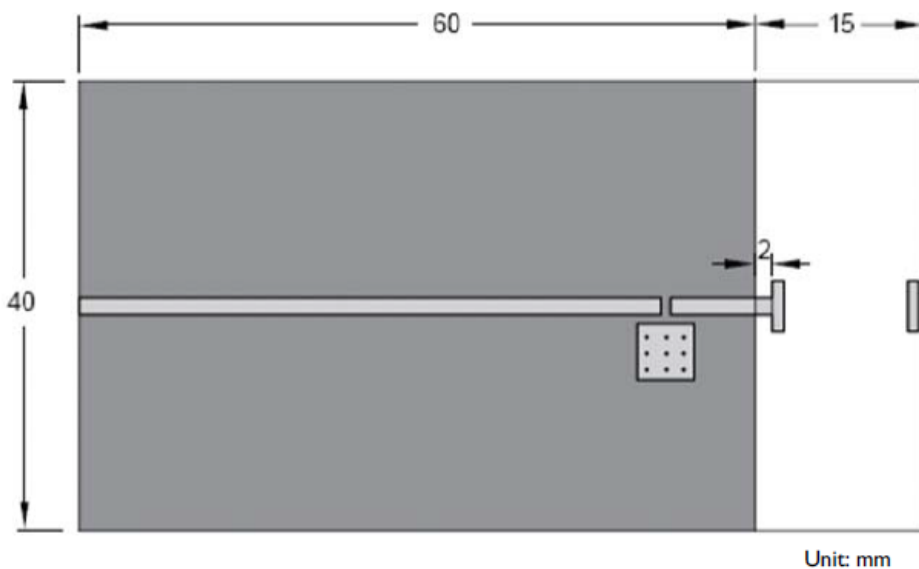
	L	W	T
Dimension (mm)	$12.20 \pm 0.20$	$4.00 \pm 0.20$	$1.60 \pm 0.20$

	S <sub>1</sub>	S <sub>2</sub>
Connection	Feeding	Soldering

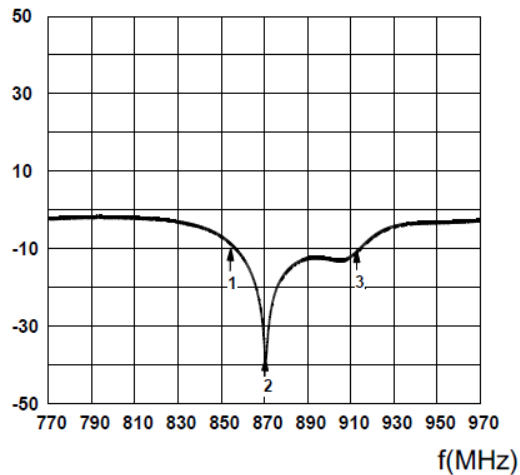
### RECOMMENDED SOLDERING PATTERN



### EVALUATION BOARD



### FREQUENCY CHARACTERISTICS



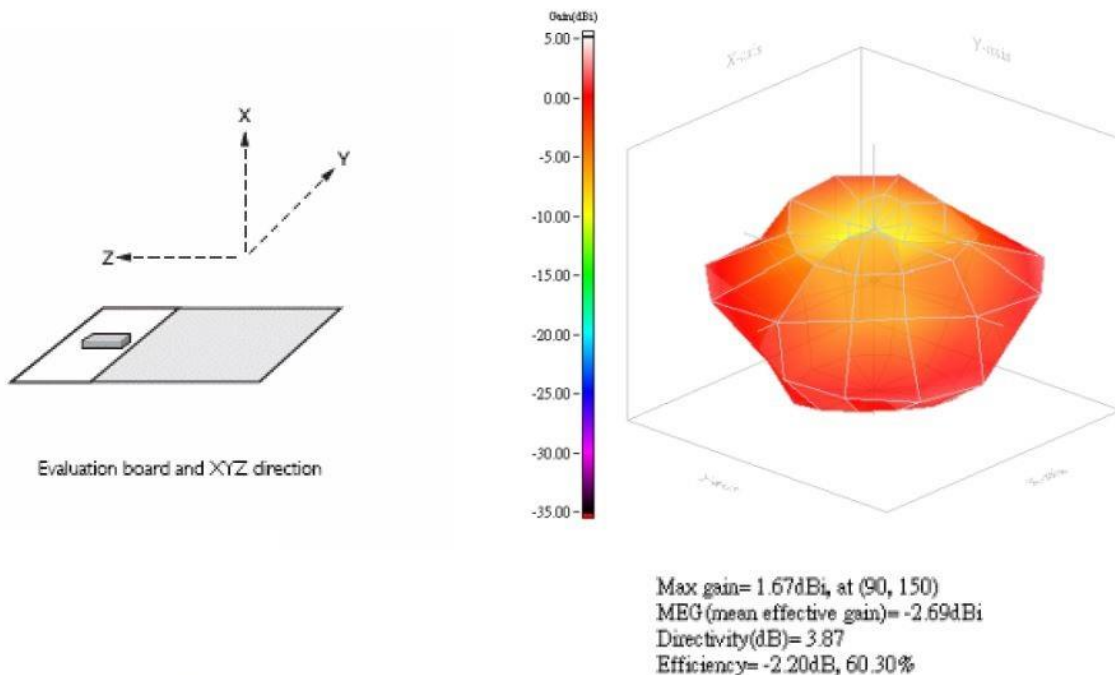
Marker data

1.856MHz, -10dB

2.870MHz, -34dB

3.914MHz, -10dB

### RADIATION PATTERN





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## CHIP ANTENNA

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**RCA-W1A8-1204-Z-002**

### ■ APPROVAL



RALTRON	
DRAWN BY:	AR, May 20, 2019
APPROVED BY:	CP, May 20, 2019
REVISION:	A, Initial Release

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