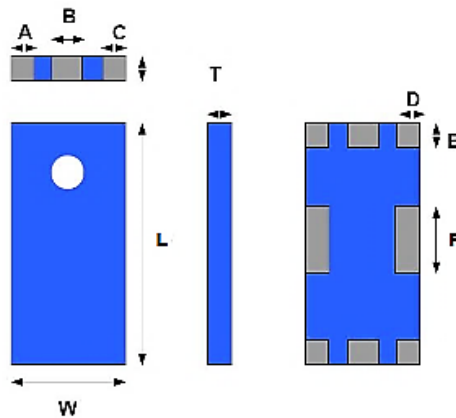


ELECTRICAL SPECIFICATION

PARAMETERS	VALUE		UNIT
Center Frequency	900	1800	MHz
Peak Gain, typ	-1.60	1.08	dBi
Bandwidth, typ	20		MHz
VSWR, max	3.0		-
Polarization	Linear		-
Azimuth Beamwidth	Omni-directional		-
Power, max	2.0		W
Impedance	50		Ω
Operating Temperature Range	-40 ~ +105		$^{\circ}\text{C}$

MECHANICAL SPECIFICATION

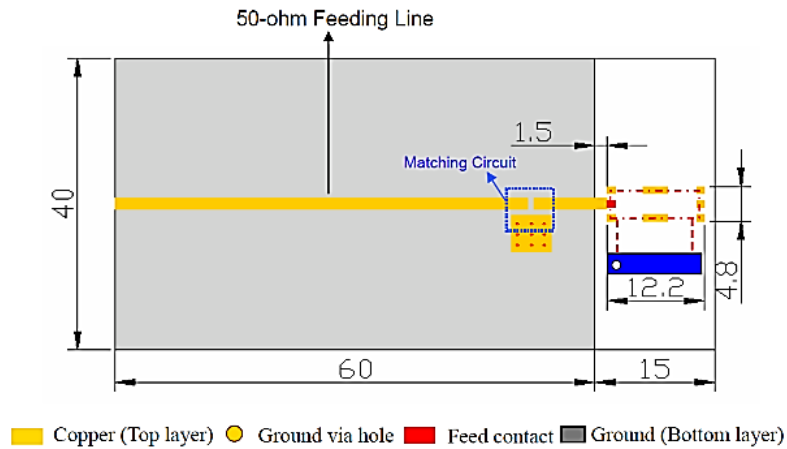


Pin Connections:

B: Feed termination
A,C,D,E,F: Solder termination

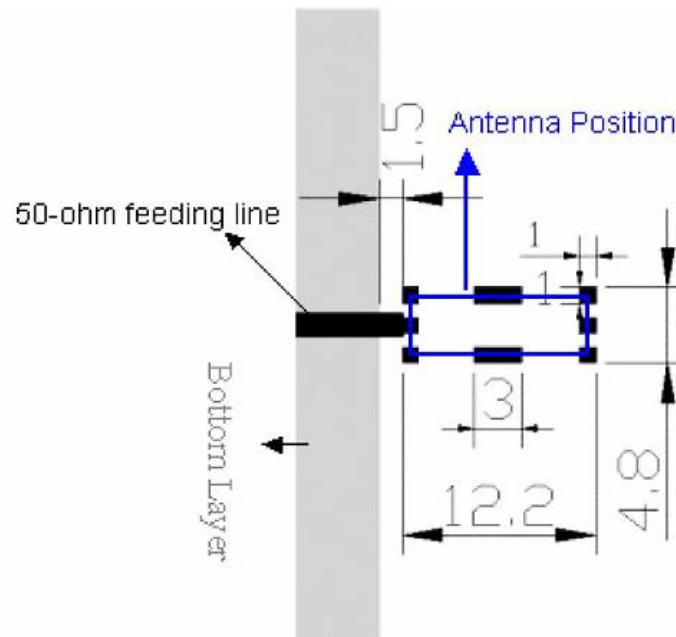
	L	W	T	A	B	C	D	E	F
Dim. (mm)	12.00±0.50	4.40±0.50	1.20±0.30	0.80±0.30	1.00±0.30	0.80±0.30	0.80±0.30	0.80±0.30	3.00±0.50

EVALUATION BOARD



Unit: mm

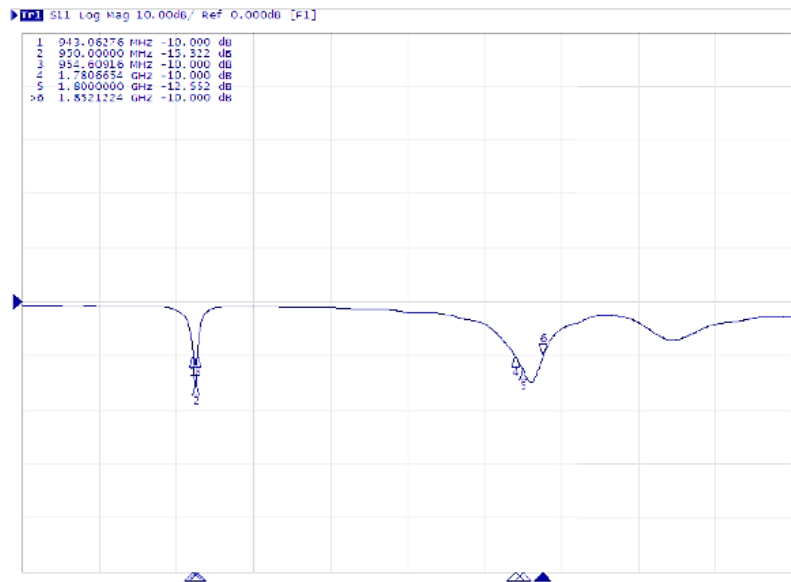
RECOMMENDED SOLDERING PATTERN



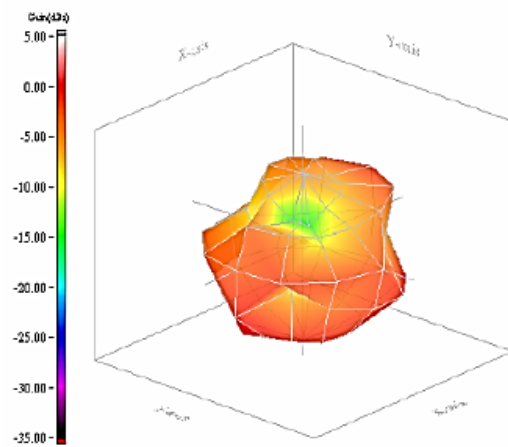
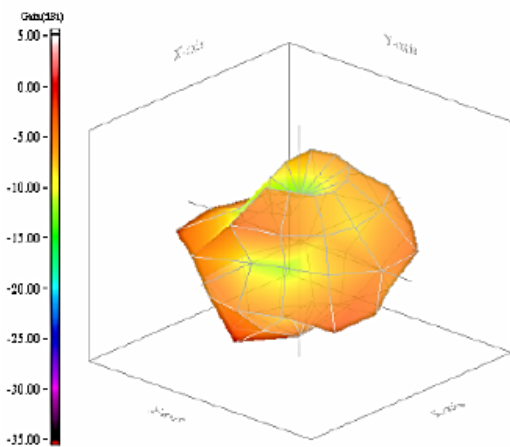
Unit: mm

FREQUENCY CHARACTERISTICS

Return Loss



RADIATION PATTERN





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CHIP ANTENNA

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RCA-W1A9A10-2011-Z-001

• APPROVAL

RALTRON	
DRAWN BY:	LP, June 15, 2017
APPROVED BY:	Jl, June 15, 2017
REVISION:	A, Initial Release

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