

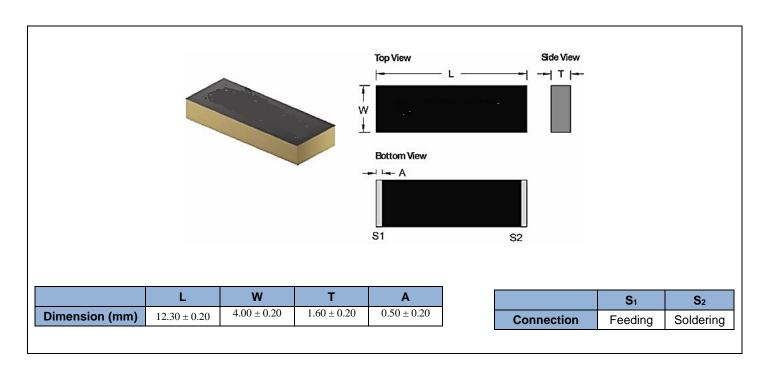
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RCA-W1A0-1204-Z-001

ELECTRICAL SPECIFICATION

PARAMETERS	VALUE	UNIT
Center Frequency	433	MHz
Bandwidth, typ	28	MHz
Peak Gain, typ	0.79	dBi
Return Loss, min	6.5	dB
Polarization	Linear	-
Azimuth Beamwidth	Omni-directional	-
Power, max	1	W
Impedance	50	Ω
Operating Temperature Range	-40 ~ +105	°C

MECHANICAL SPECIFICATION

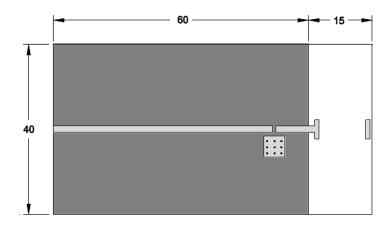




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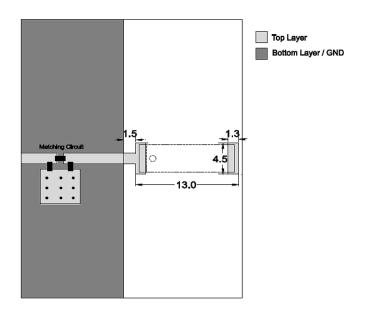
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EVALUATION BOARD



Unit: mm

RECOMMENDED SOLDERING PATTERN



Unit: mm

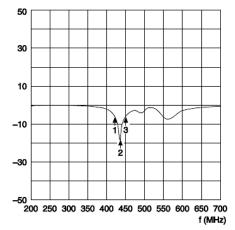


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FREQUENCY CHARACTERISTICS

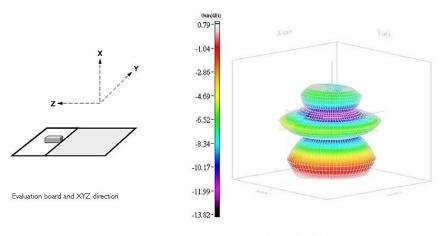
Return Loss



Marker data

- 1. 419MHz, -6.5dB
- 2. 433MHz, -16dB
- 3. 447MHz, -6.5dB

RADIATION PATTERN



Frequency= 433 MHz Max gain = 0.79 dBi, at (150,330) MEG (mean effective gain)= -4.84 dBi Directivity (dB) = 6.35 Efficiency = -5.56dB, 27.79 %



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APPROVAL

RALTRON	
DRAWN BY:	LP, June 08, 2017
APPROVED BY:	JI, June 08, 2017
REVISION:	A, Initial Release

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