

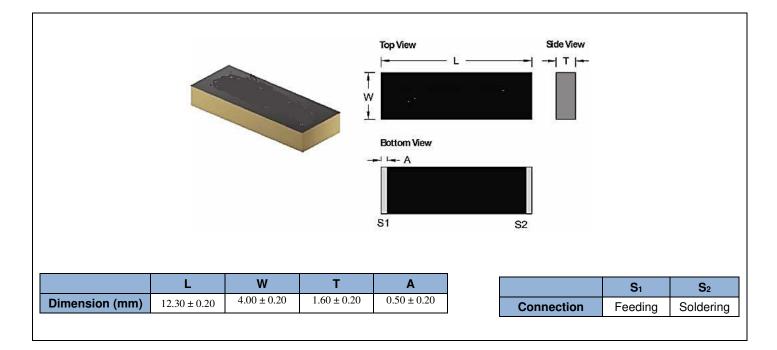
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RCA-W1A0-1204-Z-001

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

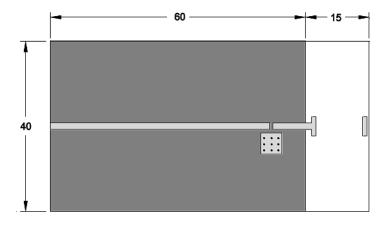




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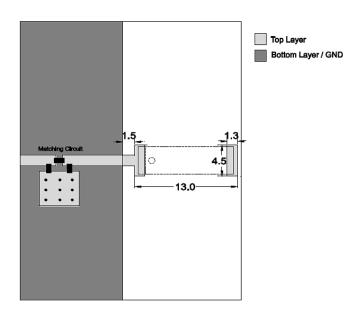
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EVALUATION BOARD



Unit: mm

RECOMMENDED SOLDERING PATTERN



Unit: mm

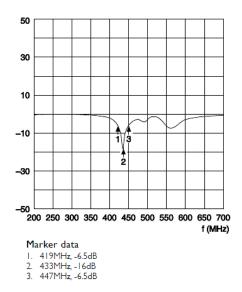


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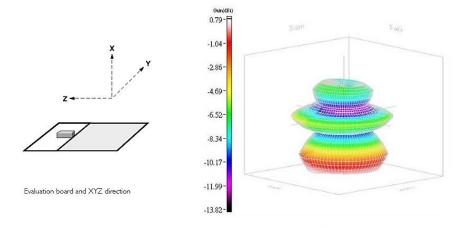
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FREQUENCY CHARACTERISTICS

Return Loss



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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