# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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#### 2450 MHz Small SMD Chip Antenna

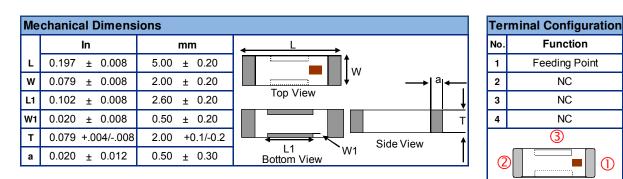
#### P/N 2450AT42B100

-40 to +85°C 2W max. (CW)

(4)

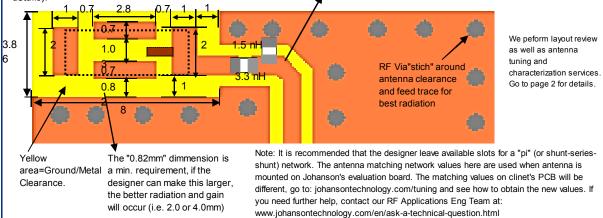
Ground Clearance Requirements Minimized. This antenna was designed for corner or end-mounting
Detail Specification: 10/08/13 Page 1 of 4

| (Test) put           |
|----------------------|
|                      |
|                      |
|                      |
|                      |
|                      |
|                      |
| Storage Period       |
| 75%RH Power Capacity |
|                      |



#### Mounting Considerations

Line width should be designed to match  $50\Omega$  characteristic impedance (Grounded Co-Planar Waveguide), depending on PCB material and thickness. (The matching circuit and component values will be different on clients PCB layout, se notes below and go to page 2 for details).



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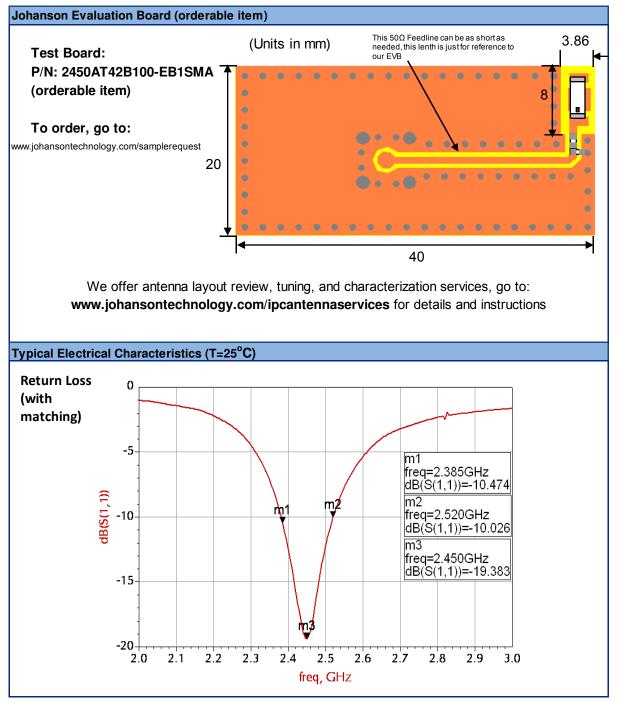
 Ver 2.1
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#### 2450 MHz Small SMD Chip Antenna

P/N 2450AT42B100

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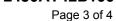
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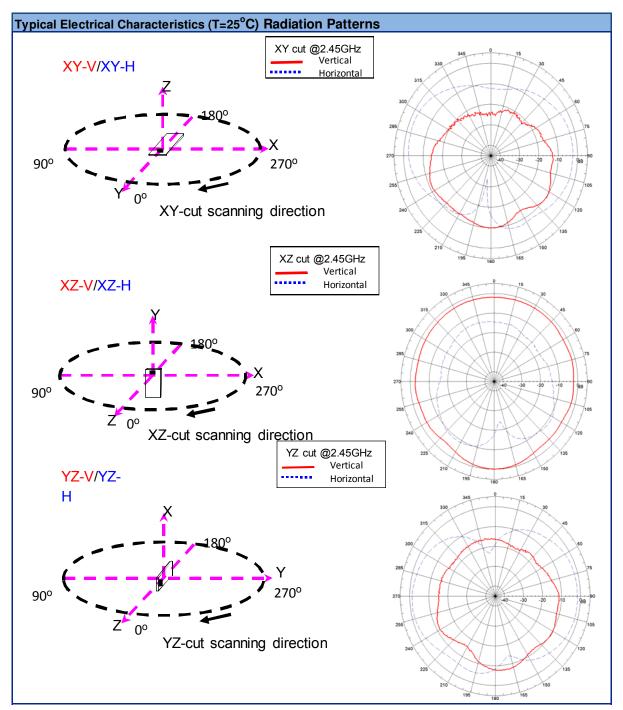
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#### 2450 MHz Small SMD Chip Antenna

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| Part Number Explanation |   |   |               |                                 |  |  |  |  |
|-------------------------|---|---|---------------|---------------------------------|--|--|--|--|
|                         |   | Bulk (loose pieces)                         | Suffix = S    | eg.2450AT42B100S                |  |  |  |  |
| P/N Suffix              | Packing Style                                     | T&R   | Suffix = E    | eg. 2450AT42B100E               |  |  |  |  |
|                         |   | T & R (Reverse)                             | Suffix = R    | eg. 2450AT42B100R (MOQ Applies) |  |  |  |  |
|                         |   | 100% Tin                                    | Suffix = None | eg. 2450AT42B100(S, E, R)       |  |  |  |  |
|                         | Eval Board (1-port<br>SMA antenna test<br>boards) | 2450AT42B100-EB1SMA (Page 2)                |               |                                 |  |  |  |  |
|                         | More Details                                      | www.johansontechnology.com/ipc-pn-explained |               |                                 |  |  |  |  |

| Storage Conditions and Shelf Life (On T&R or Bulk) |              |             |                |  |  |  |
|--|--------------|-------------|----------------|--|--|--|
| Temperature:                                       | +5C to +35°C | Shelf Life: | 18 months max. |  |  |  |
| Relative Humidity:                                 | 45 to 75%    |             |                |  |  |  |

#### Packaging information

www.johansontechnology.com/ipcpackaging.html

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

Antenna layout and tuning techniques

www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipcantennaservices

#### **RoHS Compliance**

www.johansontechnology.com/technical-notes/rohs-compliance.html

#### MSL Info

www.johansontechnology.com/technical-notes/msl-rating.html

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