

ECN/PCN No.: R0524

For Manufacturer

Product Description: 2450 MHz Chip Antenna	Abracon Part Number / Part Series: ACAG0201-2450	☐ Documentation only ☒ ECN ☐ EOL	☐ Series ☐ Part Number
Affected Revision: B	New Revision: C	Application:	☐ Safety ☒ Non-Safety

Prior to Change:

2450 MHz Chip Antenna

ACAG0201-2450

Request Samples

Check Inventory

2.0 x 1.25 x 0.6 mm
RoHS/RoHS II Compliant
MSL Level = 1

Ordering Information

Part Number	Description
ACAG0201-2450	2450 MHz Chip Antenna on Cut Tape
ACAG0201-2450-T	2450 MHz Chip Antenna on Tape & Reel
ACAG0201-2450-EVB	2450 MHz Chip Antenna Evaluation Kit

Note: Other options not listed may be available upon request via [Abracon online support](#)


ABRACON

12117 Bee Caves Rd, Bldg-3, Suite 200 Bee Cave, TX 78738
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit: www.abracon.com

REVISED: 09-20-25

ABRACON IS
ISO9001-2015
CERTIFIED

After Change:

2450 MHz Chip Antenna


ACAG0201-2450

[Request Samples](#)
[Check Inventory](#)

2.0 x 1.25 x 0.6 mm
RoHS/RoHS II Compliant
MSL Level = 1

Description

This ultra-miniature 2450 MHz chip antenna delivers reliable 2.4 GHz connectivity in a compact 2.0x1.25x0.6 mm SMD package. Featuring 2.1 dBi peak gain with exceptional 68% total efficiency (-1.9 dB) and low return loss (≤ -6 dB), it ensures robust wireless performance. Its PCB edge-mount design enables seamless integration into space-constrained devices. This RoHS-compliant, MSL Level 1 antenna is ideal for Bluetooth®, ZigBee®, Thread, Matter, and Wi-Fi applications including hearables, wearables, medical telemetry, smart home systems, asset tracking, and intelligent lighting where efficient space utilization is critical.



Features

- Miniature Factor: 2.0 x 1.25 x 0.6 mm
- Low Return Loss of: ≤ -6 dB
- Peak Gain: 2.1 dBi
- Average Total Efficiency: -1.9 dB (68%)
- Linear Polarization
- Surface Mount (SMD)
- Integration: PCB Edge Mounting
- RoHS Compliant | MSL Level 1

Applications

- Bluetooth®/ ZigBee® / Thread/ Matter/Wi-Fi®
- Bluetooth®/ Wi-Fi® Modules
- Consumer Hearables & Wearables
- Medical Wearables & Tele-Medicine
- Smart Home & Smart Building
- Asset Tracking & Telematics
- Smart Metering
- Intelligent Lighting

Ordering Information

Part Number	Description
ACAG0201-2450	2450 MHz Chip Antenna on Cut Tape
ACAG0201-2450-T	2450 MHz Chip Antenna on Tape & Reel

Note: Other options not listed may be available upon request via [Abracon online support](#)



12117 Bee Caves Rd, Bldg-3, Suite 200 Bee
Cave, TX 78738
Phone: 512-371-6159 | Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 08-12-26

ABRACON IS
ISO9001:2015
CERTIFIED

Cause/Reason for Change: Updated ordering information

Change Plan

Effective Date:

08/12/2026

Additional Remarks:

Change Declaration:

Issued Date:

08/12/2026

Issued By:

Allan

Issued Department:

Engineering

Approval:

Saravanan Subramanian
Engineering Director

Approval:

Reuben Quintanilla
Quality Director

Approval:

Ying Huang
Purchasing Director

For Abracon EOL only

Last Time Buy (if applicable):

Alternate Part Number / Part Series:

Additional Approval:

Additional Approval:

Additional Approval:

Customer Approval (If Applicable)

Qualification Status:

☐ Approved ☐ Not accepted

Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.

Customer Part Number:		Customer Project:	
Company Name:	Company Representative:	Representative Signature:	
Customer Remarks:			