

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 <table border="1"> <thead> <tr> <th>Part Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ACAG0201-2450</td> <td>2450 MHz Chip Antenna on Cut Tape</td> </tr> <tr> <td>ACAG0201-2450-T</td> <td>2450 MHz Chip Antenna on Tape & Reel</td> </tr> </tbody> </table> Note: Other options not listed may be available upon request via Abracon online support		Part Number	Description	ACAG0201-2450	2450 MHz Chip Antenna on Cut Tape	ACAG0201-2450-T	2450 MHz Chip Antenna on Tape & Reel
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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:	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:			