

ECN/PCN No.: R0501

For Manufacturer			
Product Description: 2.4 GHz External Whip Antenna	Abracon Part Number / Part Series: AANE-WH-0207	<input type="checkbox"/> Documentation only <input checked="" type="checkbox"/> ECN <input type="checkbox"/> EOL	<input type="checkbox"/> Series <input type="checkbox"/> Part Number
Affected Revision: IR	New Revision: A	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

Prior to Change:

AANE-WH-0207

[Request Samples](#)

[Check Inventory](#)

Ø 10 x 108 mm
RoHS/RoHS II Compliant
MSL Level = N/A

Ordering Information

Part Number	Description	Connector Option
AANE-WH-0207-1	2.4 GHz External Whip Antenna with RP-SMA(M) Connector, IP-Rated & UV-Resistant Housing	RP-SMA(M)
AANE-WH-0207-2	2.4 GHz External Whip Antenna with SMA(M) connector, IP-Rated & UV-Resistant Housing	SMA(M)
AANE-WH-0207-3	2.4 GHz External Whip Antenna with RP-SMA(M) connector	RP-SMA(M)
AANE-WH-0207-4	2.4 GHz External Whip Antenna with SMA(M) connector	SMA(M)

Note: Different connector configurations that are not listed may be available upon request via [Abracon online support](#)

After Change:

AANE-WH-0207

[Request Samples](#)

[Check Inventory](#)

Ø 10 x 108 mm
RoHS/RoHS II Compliant
MSL Level = 1

Description

This cost-effective 2.4 GHz external whip antenna delivers exceptional value without compromising performance, featuring a peak gain of 2.7 dBi and high efficiency up to 92%. Its versatile swivel connector design enables straight, right-angle, or 45-degree positioning for flexible installation. With optional weather-proof housing and fully customizable connectors, this RoHS-compliant, MSL Level 1 antenna supports a wide range of protocols including Bluetooth®, ZigBee, Thread, Matter, and Wi-Fi. It is ideal for medical wearables, smart home systems, asset tracking, and intelligent lighting where reliable connectivity and adaptable mounting are essential.



Features

- Cost-effective 2.4GHz dipole antenna
- Peak gain 2.7 dBi
- High efficiency up to 92%
- Swivel connector design for straight, right-angle and 45-degree positioning
- Fully customizable connectors
- [RoHS compliant | MSL Level 1](#)

Applications

- Bluetooth® / ZigBee / Thread/ Matter / Wi-Fi
- Bluetooth® / Wi-Fi modules
- Medical wearables & Tele-medicine
- Smart home & Smart building
- Asset tracking & Telematics
- Smart metering
- Intelligent lighting

Ordering Information

Part Number	Description	Connector Option
AANE-WH-0207-1	2.4 GHz External Whip Antenna with RP-SMA(M) connector, white housing	RP-SMA(M)
AANE-WH-0207-2	2.4 GHz External Whip Antenna with SMA(M) connector, white housing	SMA(M)
AANE-WH-0207-3	2.4 GHz External Whip Antenna with RP-SMA(M) connector, black housing	RP-SMA(M)
AANE-WH-0207-4	2.4 GHz External Whip Antenna with SMA(M) connector, black housing	SMA(M)

Note: Different connector configurations that are not listed may be available upon request via [Abracon online support](#)

Cause/Reason for Change: Updated ordering information		
Change Plan		
Effective Date: 02/05/2026	Additional Remarks:	
Change Declaration:		
Issued Date: 02/05/2026	Issued By: Allan	Issued Department: Engineering
Approval: Saravanan Subramanian Engineering Manager	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:		
<input type="checkbox"/> Approved <input type="checkbox"/> Not accepted		
<i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>		
Customer Part Number:	Customer Project:	
Company Name:	Company Representative:	Representative Signature:
Customer Remarks:		