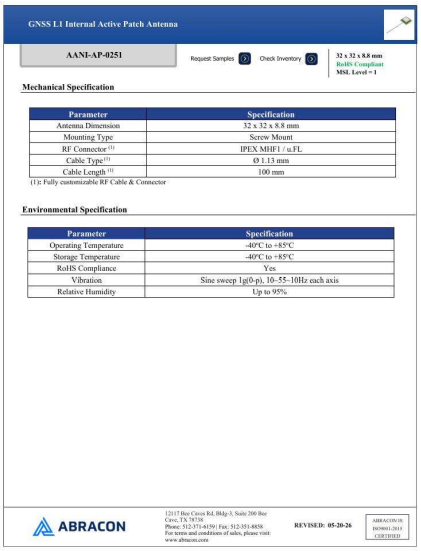
Engineering/Process Change Notice

ECN/PCN No.: R0574

For Manufacturer

Product Description:	**Abracon Part Number / Part Series:**	☐ Documentation only ☒ ECN ☐ EOL	☐ Series ☐ Part Number
GNSS L1 Internal Active Patch Antenna	AANI-AP-0251		
Affected Revision:	**New Revision:**	**Application:**	☐ Safety ☒ Non-Safety
IR	A		

Prior to Change:



GNSS L1 Internal Active Patch Antenna

AANI-AP-0251 Request Samples Check Inventory 32 x 32 x 8.8 mm RoHS Compliant MSL Level = 1

Mechanical Specification

Parameter	Specification
Antenna Dimension	32 x 32 x 8.8 mm
Mounting Type	Screw Mount
RF Connector (1)	IPEX MHF I / u.FL
Cable Type (1)	Ø 1.13 mm
Cable Length (1)	100 mm

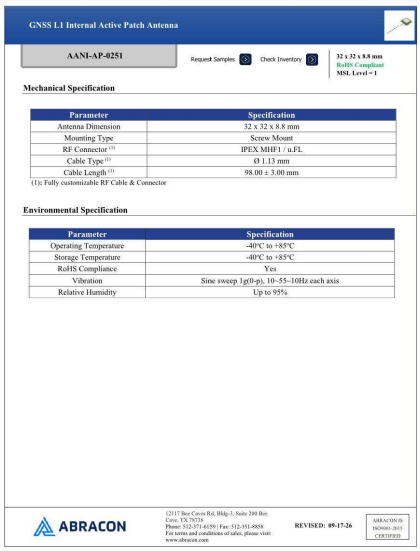
(1): Fully customizable RF Cable & Connector

Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
RoHS Compliance	Yes
Vibration	Sine sweep 1g(0-p), 10–55–10Hz each axis
Relative Humidity	Up to 95%

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: 05-20-26 ABRACON IS ISO9001:2015 CERTIFIED

After Change:



GNSS L1 Internal Active Patch Antenna

AANI-AP-0251 Request Samples Check Inventory 32 x 32 x 8.8 mm RoHS Compliant MSL Level = 1

Mechanical Specification

Parameter	Specification
Antenna Dimension	32 x 32 x 8.8 mm
Mounting Type	Screw Mount
RF Connector (1)	IPEX MHF I / u.FL
Cable Type (1)	Ø 1.13 mm
Cable Length (1)	98.00 ± 3.00 mm

(1): Fully customizable RF Cable & Connector

Environmental Specification

Parameter	Specification
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
RoHS Compliance	Yes
Vibration	Sine sweep 1g(0-p), 10–55–10Hz each axis
Relative Humidity	Up to 95%

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: 09-17-26 ABRACON IS ISO9001:2015 CERTIFIED

Cause/Reason for Change: Changed the cable length from 100 mm to 98 mm

Change Plan

Effective Date:	**Additional Remarks:**
11/03/2026	

Change Declaration:

Issued Date:	**Issued By:**	**Issued Department:**
11/03/2026	Allan	Engineering

ABRACON Ecliptek FOX ILSI MMD OSCILENT

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:		