Engineering/Process Change Notice

ECN/PCN No.: R0520

For Manufacturer			
Product Description: GNSS L1/L2/L5/L6 Ceramic Stacked Patch Antenna	**Abracon Part Number / Part Series:** AANI-PP-0234	☐ Documentation only ☒ ECN ☐ EOL	☐ Series ☐ Part Number
Affected Revision: IR	**New Revision:** A	**Application**:	☐ Safety ☒ Non-Safety

Prior to Change:

GNSS L1/L2/L5/L6 Ceramic Stacked Patch Antenna

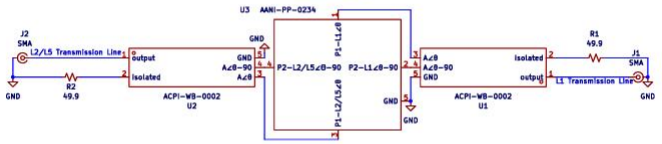
AANI-PP-0234 | Request Samples | Check Inventory | 50 x 50 x 10 mm | RoHS Compliant | MSL Level = 1

Evaluation Board Outline & Hybrid Coupler

The evaluation board (Abracon AANI-PP-0234-EVB) is developed to simplify antenna testing and evaluation. It has a size of 70mm(L) x 70mm(W) and includes an SMA connector. The purpose is to give a reference design for an optimal antenna implementation. The evaluation board can also be used to test other implementations by cutting and soldering the PCB into any device.

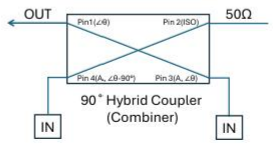
The evaluation board has two hybrid couplers implemented next to the antenna. This is aimed at enabling optimization possibilities for the user. The component positions are sized for 0603 (1608 metric) SMD components.

Schematic



Component	Description	Manufacturer	Number	QTY
U3 (Ant.)	GNSS L1/L2/L5/L6 Ceramic Stacked Patch Antenna	Abracon	AANI-PP-0234	1
U1, U2	Hybrid Coupler (6.35 x 5.08 x 1.7 mm)	Abracon	ACPI-WB-0002	2
R1, R2	49.9 ohms (0603 /1608 metric)	YAGEO	RC0603FR-0749R9L	2

Hybrid Coupler Block Diagram



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: 02-02-26 | ABRACON IS ISO9001-2015 CERTIFIED

After Change:

ABRACON Ecliptek FOX ILSI MMD OSCILENT

GNSS L1/L2/L5/L6 Ceramic Stacked Patch Antenna



AANI-PP-0234

Request Samples | Check Inventory

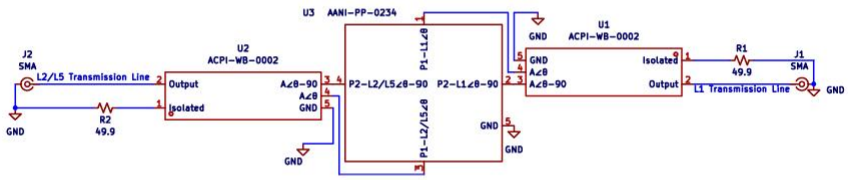
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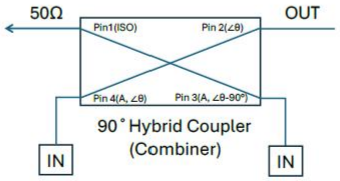
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REVISED: 07-15-26

ABRACON IS ISO9001-2015 CERTIFIED

Cause/Reason for Change: Updated reference design for hybrid couplers

Change Plan

Effective Date:	**Additional Remarks:**
07/15/2026	

Change Declaration:

Issued Date:	**Issued By:**	**Issued Department:**
07/15/2026	Allan	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:**

ABRACON Ecliptek FOX ILSI MMD OSCILENT

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:		