

ECN/PCN No.: R0458

For Manufacturer

Product Description: SMD 1584 MHZ SAW FILTER	Abracon Part Number / Part Series: AFII-SW-0057	<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:

SMD 1584MHz SAW Filter

AFII-SW-0057 3.0 x 3.0 x 1.25 mm
RoHS Compliant
MSL Level = 3

Request Samples Check Inventory

Features <ul style="list-style-type: none"> Supports GPS/GLONASS/BEIDOU/GALILEO Band 3.0 x 3.0 x 1.25 mm in Size Low Insertion Loss: 2.0 dB Out-of-Band Rejection: > 23 dB 50 Ohms Single-Ended Input & Output Maximum Input Power: +20dBm Stable Performance Across -40°C ~ +125°C 	Applications <ul style="list-style-type: none"> GNSS Modules Transportation & Telematics Asset Tracking / Fleet Management UAVs, Robotics & Autonomous Vehicles Micro-Mobility Solutions Precision Agriculture
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Product Image



5101 Middle Creek Ln, Spicewood TX 78660
 Phone: 512-371-4139 | Fax: 512-371-4858
 For terms and conditions of sale, please visit:
www.abracon.com

REVISED: 03-13-25
 ABRACON IS
 ISO9001:2015
 CERTIFIED

After Change:

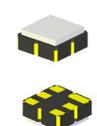
SMD 1584MHz SAW Filter

AFII-SW-0057 3.0 x 3.0 x 1.25 mm
RoHS Compliant
MSL Level = 2

Request Samples Check Inventory

Description

Engineered for resilience, this multi-constellation GNSS filter supports GPS, GLONASS, BEIDOU, and GALILEO bands within a compact 3.0 x 3.0 x 1.25 mm package. It delivers robust performance with high +20dBm power handling and stable operation across an extreme -40°C to +125°C temperature range. This combination of durability and effective out-of-band rejection (>23 dB) makes it ideal for harsh-environment applications in automotive telematics, industrial asset tracking, and autonomous vehicles, ensuring reliable global positioning where it matters most. The component is RoHS compliant and rated MSL Level 2.



Features <ul style="list-style-type: none"> Supports GPS/GLONASS/BEIDOU/GALILEO Band just 3.0 x 3.0 x 1.25 mm in Size Low Insertion Loss: 2.0 dB Out-of-Band Rejection: > 23 dB 50 Ohms Single-Ended Input & Output Maximum Input Power: +20dBm Stable Performance Across -40°C ~ +125°C RoHS Compliant MSL Level 2 	Applications <ul style="list-style-type: none"> GNSS Modules Transportation & Telematics Asset Tracking / Fleet Management UAVs, Robotics & Autonomous Vehicles Micro-Mobility Solutions Precision Agriculture
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Ordering Information

Part Number	Description
AFII-SW-0057	SMD 1584MHz SAW Filter on Cut Tape
AFII-SW-0057-T	SMD 1584MHz SAW Filter on Tape & Reel
AFII-SW-0057-EVB	SMD 1584MHz SAW Filter Evaluation Board

Note: Other options not listed may be available upon request via Abracon.online.support

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REVISED: 10-22-25
 ABRACON IS
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Cause/Reason for Change: Updated with new datasheet template, filter design and measurement data unchanged

Change Plan

Effective Date: 10/22/2025	Additional Remarks:
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Change Declaration:		
Issued Date: 10/22/2025	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:		