

ECN/PCN No.: R0455
For Manufacturer

Product Description: SMD 1176 MHZ SAW FILTER	Abracon Part Number / Part Series: AFII-SW-0060	<input type="checkbox"/> Documentation only	<input type="checkbox"/> Series
Affected Revision: IR	New Revision: A	<input checked="" type="checkbox"/> ECN	<input type="checkbox"/> Part Number
		<input type="checkbox"/> EOL	<input type="checkbox"/> Safety
		<input type="checkbox"/> Application:	<input checked="" type="checkbox"/> Non-Safety

Prior to Change:

SMD 1176 MHZ SAW FILTER

AFII-SW-0060

[Request Samples](#)  [Check Inventory](#) 

1.4 x 1.1 x 0.7mm
RoHS Compliant
MSL Level = 3



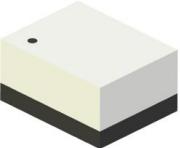
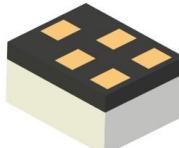
Features

- Supports GNSS L5/E5a/B2a Band
- 1.4 x 1.1 x 0.7mm in Size
- Low Insertion Loss: 1.4 dB
- Out-of-Band Rejection: > 35 dB
- 50 Ohms Single-Ended Input & Output
- Maximum Input Power: +10 dBm

Applications

- High-Precision GNSS Modules
- RTK Systems
- Automotive Transportation & Telematics
- Asset Tracking / Fleet Management
- UAVs, Robotics & Autonomous Vehicles
- Micro-Mobility Solutions
- Precision Agriculture

Product Image


ABRACON

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For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 03-13-25

ABRACON IS
ISO9001-2015
CERTIFIED

After Change:

SMD 1176 MHZ SAW FILTER

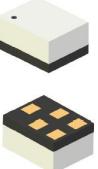
AFII-SW-0060

Request Samples

Check Inventory


1.4 x 1.1 x 0.7 mm
RoHS Compliant
MSL Level = 3





Description

Engineered for next-generation high-precision navigation, this ultra-miniature filter is optimized for the critical GNSS L5, E5a, and B2a bands. Its exceptionally compact 1.4 x 1.1 x 0.7 mm footprint is ideal for space-constrained designs. The component delivers outstanding performance with an ultra-low 1.4 dB insertion loss and high >35 dB out-of-band rejection, ensuring superior signal integrity. This makes it perfect for achieving centimeter-level accuracy in demanding RTK systems, autonomous vehicles, and precision agriculture equipment. It is RoHS compliant and rated MSL Level 3 for reliable manufacturing.

Features

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- 50 Ohms Single-Ended Input & Output
- Maximum Input Power: +10 dBm
- RoHS Compliant | MSL Level 3

Applications

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- Precision Agriculture

Ordering Information

Part Number	Description
AFII-SW-0060	SMD 1176 MHZ SAW FILTER on Cut Tape
AFII-SW-0060-T	SMD 1176 MHZ SAW FILTER on Tape & Reel
AFII-SW-0060-EVB	SMD 1176 MHZ SAW FILTER Evaluation Board

Note: Other options not listed may be available upon request via [Abracon online support](#)

Cause/Reason for Change: Updated with new datasheet template, filter design and measurement data unchanged

Change Plan

Effective Date:
 10/21/2025

Additional Remarks:

Change Declaration:

Issued Date:
 10/21/2025

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:

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:

Form #7020C | Rev. G | Effective: 02/22/2021 |

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Engineering/Process Change Notice

Company Name:	Company Representative:	Representative Signature:
Customer Remarks:		