

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 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 1176 MHZ SAW FILTER

AFII-SW-0060

Request Samples

Check Inventory

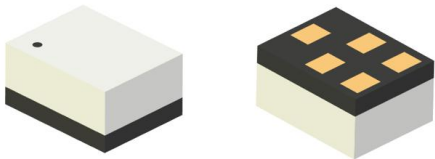
1.4 x 1.1 x 0.7mm
RoHS Compliant
MSL Level - 3


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




5101 Hidden Creek Ln, Spicewood TX 78669
Phone: 512-371-6159 | Fax: 512-351-8838
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 03-13-25
ABRACON ID:
J060903-2013
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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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:

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