

ECN/PCN No.: R0457

For Manufacturer

Product Description: SMD 1583 MHZ SAW FILTER	Abracon Part Number / Part Series: AFII-SW-0062	<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 1575 MHz SAW FILTER

AFII-SW-0062

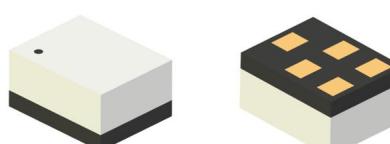
Request Samples  Check Inventory 

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

Features

- Supports GPS L1 Band
- 1.4 x 1.1 x 0.7mm in Size
- Low Insertion Loss: 0.9 dB
- Out-of-Band Rejection: > 22 dB
- 50 Ohms Single-Ended Input & Output
- Maximum Input Power: +10 dBm

Product Image



Applications

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

31011 Hidden Creek Ln, Spicewood TX 78669
Phone: 512.371.6159 | Fax: 512.351.8358
For terms and conditions of sales, please visit:
www.abracon.com

REVISED: 03-13-25

ABRACON IS
ISO9001:2015
CERTIFIED

After Change:

SMD 1575 MHz SAW FILTER									
AFII-SW-0062	Request Samples  Check Inventory 								
 1.4 x 1.1 x 0.7 mm RoHS Compliant MSL Level = 3									
Description <p>This high-performance GPS L1 band filter is engineered for precision and reliability. Its ultra-low insertion loss of just 0.9 dB preserves signal strength, while the compact 1.4 x 1.1 x 0.7 mm footprint saves critical board space. The 50-ohm single-ended design ensures easy integration, and with an out-of-band rejection exceeding 22 dB, it effectively minimizes interference. These features make it an ideal choice for demanding applications such as automotive telematics, autonomous vehicles, and asset tracking, where accurate positioning is paramount. The component is RoHS compliant and rated MSL Level 3.</p>									
Features <ul style="list-style-type: none"> • Supports GPS L1 Band • 1.4 x 1.1 x 0.7 mm in Size • Low Insertion Loss: 0.9 dB • Out-of-Band Rejection: > 22 dB • 50 Ohms Single-Ended Input & Output • Maximum Input Power: +10 dBm • RoHS Compliant MSL Level 3 	Applications <ul style="list-style-type: none"> • GNSS Modules • Automotive Transportation & Telematics • Asset Tracking / Fleet Management • UAVs, Robotics & Autonomous Vehicles • Micro-Mobility Solutions • Precision Agriculture 								
Ordering Information <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Part Number</th> <th style="width: 85%;">Description</th> </tr> </thead> <tbody> <tr> <td>AFII-SW-0062</td> <td>SMD 1575 MHz SAW FILTER on Cut Tape</td> </tr> <tr> <td>AFII-SW-0062-T</td> <td>SMD 1575 MHz SAW FILTER on Tape & Reel</td> </tr> <tr> <td>AFII-SW-0062-EVB</td> <td>SMD 1575 MHz SAW FILTER Evaluation Board</td> </tr> </tbody> </table> <p>Note: Other options not listed may be available upon request via Abracon online support.</p>		Part Number	Description	AFII-SW-0062	SMD 1575 MHz SAW FILTER on Cut Tape	AFII-SW-0062-T	SMD 1575 MHz SAW FILTER on Tape & Reel	AFII-SW-0062-EVB	SMD 1575 MHz SAW FILTER Evaluation Board
Part Number	Description								
AFII-SW-0062	SMD 1575 MHz SAW FILTER on Cut Tape								
AFII-SW-0062-T	SMD 1575 MHz SAW FILTER on Tape & Reel								
AFII-SW-0062-EVB	SMD 1575 MHz SAW FILTER Evaluation Board								
	12117 Bee Caves Rd, Bldg.3, Suite 200 Bee Cave, TX 78738 Phone: 512-371-6139 Fax: 512-331-8838 For terms and conditions of sales, please visit: www.abracon.com	REVISED: 10-21-25 <small>ABRACON IS ISO9001:2015 CERTIFIED</small>							

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

Change Plan

Effective Date:	Additional Remarks:
10/21/2025	

Change Declaration:

Issued Date:	Issued By:	Issued Department:
10/21/2025	Allan	Engineering
Approval: <i>Saravanan Subramanian</i> Engineering Manager	Approval: <i>Reuben Quintanilla</i> Quality Director	Approval: <i>Ying Huang</i> 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:



Engineering/Process Change Notice

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