

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

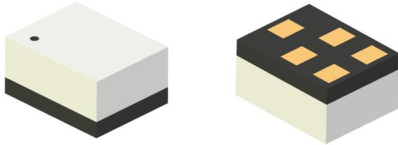
1.4 x 1.1 x 0.7mm
RoHS Compliant
MSL Level = 3


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

Applications

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

Product Image










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REVISED: 03-13-25

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ISO9001:2015
CERTIFIED

After Change:

SMD 1575 MHz SAW FILTER									
<div> <div>AFII-SW-0062</div> <div>Request Samples  Check Inventory </div> <div>1.4 x 1.1 x 0.7 mm RoHS Compliant MSL Level = 3</div> </div>									
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"> <thead> <tr> <th>Part Number</th> <th>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
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<div>  <div> 12117 Bee Caves Rd, Bldg 3, Suite 200 Bee Cave, TX 78738 Phone: 512-371-6139 Fax: 512-351-8838 For terms and conditions of sales, please visit: www.abracon.com </div> <div> REVISED: 10-21-25  </div> </div>									
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: <input type="checkbox"/> Approved <input type="checkbox"/> 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:		