




ECN/PCN No.: R0440

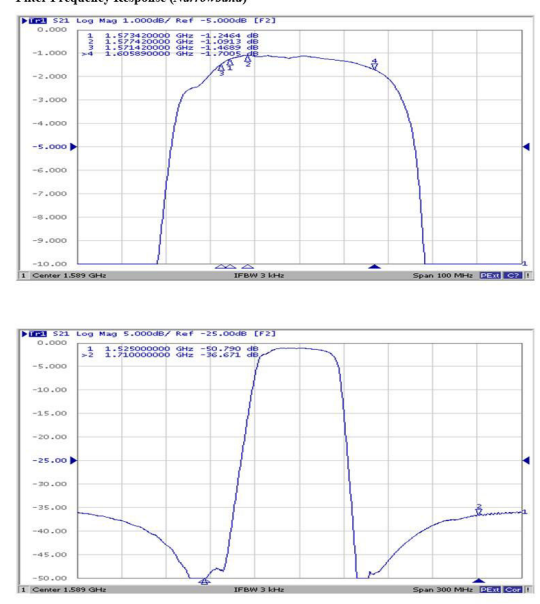
For Manufacturer

Product Description: SMD 1588.66MHz SAW Filter	Abracon Part Number / Part Series: AFS14A34-1588.66	<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:

	AFS14A34-1588.66-T3 Surface Mount 1588.66MHz SAW Filter	
Date of Issue: Jan. 21 st , 2013	1.4 x 1.1 x 0.7 mm	
Page (5) of (13)	Abracon Drawing # 453635	Revision #: Initial Release

7.0 Filter Frequency Response (Narrowband)



After Change:

SMD 1588.66MHz SAW Filter



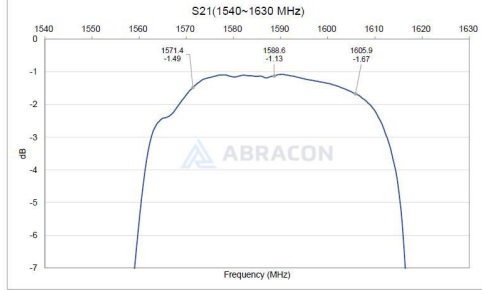
AFS14A34-1588.66

Request Samples Check Inventory

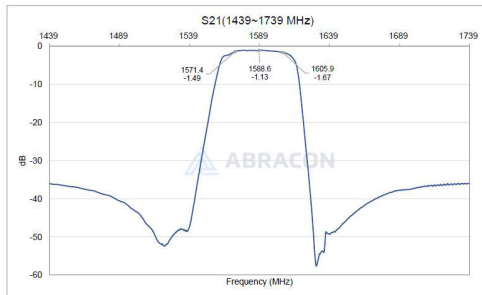
1.4 x 1.1 x 0.7 mm
RoHS Compliant
MSL Level = 1

Frequency Characteristics

S21 narrow band



S21 wide band



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

REVISED: 09-29-25

ABRACON IS
ISO9001:2015
CERTIFIED

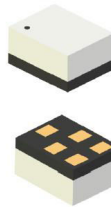
AFS14A34-1588.66

Request Samples Check Inventory

1.4 x 1.1 x 0.7 mm
RoHS Compliant
MSL Level = 1

Description

This high-performance GPS L1 band filter delivers exceptional signal clarity for precision navigation systems. Its compact 1.4 x 1.1 x 0.7 mm form factor houses advanced filtering technology that achieves a low 1.5 dB insertion loss while providing strong out-of-band rejection greater than 34.5 dB. These characteristics make it ideally suited for demanding applications in automotive telematics, autonomous vehicles, and precision agriculture where reliable positioning is critical. The component offers robust 10 dBm power handling and is RoHS compliant and rated MSL Level 1.



Features

- Supports GPS L1 Band
- 1.4 x 1.1 x 0.7 mm in Size
- Low Insertion Loss: 1.5 dB
- Out-of-Band Rejection: > 34.5 dB
- Maximum Input Power: 10 dBm
- RoHS Compliant | MSL Level 1

Applications

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

Ordering Information

Part Number	Description
AFS14A34-1588.66	SMD 1588.66MHz SAW Filter on Cut Tape
AFS14A34-1588.66-T3	SMD 1588.66MHz SAW Filter on Tape & Reel
AFS14A34-1588.66-EVB	SMD 1588.66MHz SAW Filter Evaluation Board

Note: Other options not listed may be available upon request via [Abracon online support](http://abracon.com/online-support)

Cause/Reason for Change: Updated test data & added ordering info		
Change Plan		
Effective Date: 09/29/2025	Additional Remarks:	
Change Declaration:		
Issued Date: 09/29/2025	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:		

Brand	Affected PN	Discontinued/EOL PN	Added PN
Abrakon	AFS14A34-1588.66		
	AFS14A34-1588.66-T3		
	AFS14A34-1588.66-EVB		

Series	ECO#
AFS14A34-1588.66	R0440
AFS14A34-1588.66	R0440
AFS14A34-1588.66	R0440

Datasheet Link

<https://abracon.com/Filters/saw-filters/AFS14A34-1588.66-T3.pdf>

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ECN Notification Link

https://abracon.com/downloads/ECN-PCN/ECN-PCN-Notification_ECOR0440_AFS14A34-1588.66.pdf

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