




ECN/PCN No.: R0441

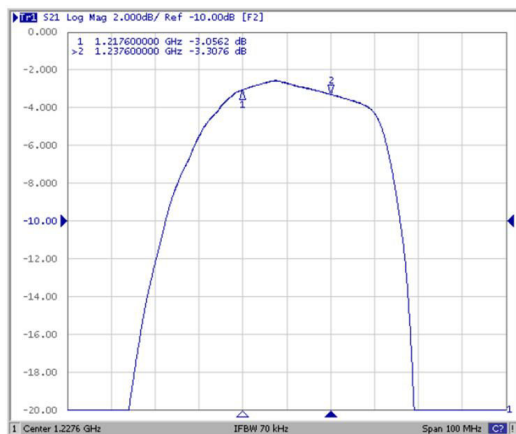
For Manufacturer

Product Description: SMD 1227.6 MHZ SAW FILTER	Abracon Part Number / Part Series: AFS20A20-1227.60	<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: A	New Revision: B	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

Prior to Change:

	AFS20A20-1227.60-T3 Surface Mount 1227.60MHz SAW Filter	
Date of Issue: Feb. 11 th , 2015	2.0 x 1.6 x 0.75 mm	
Page (6) of (13)	Abracon Drawing # 453644	Revision #: A

7.1 Filter Frequency Response (with-in passband)



After Change:

SMD 1227.6 MHZ SAW FILTER	SMD 1227.6 MHZ SAW FILTER								
<p>AFS20A20-1227.60 Request Samples <input type="button" value=""/> Check Inventory <input type="button" value=""/></p> <p style="font-size: small;">2.0 x 1.6 x 0.6 mm RoHS Compliant MSL Level = 1</p> <p>Frequency Characteristics</p> <p>S21 narrow band</p>	<p>AFS20A20-1227.60 Request Samples <input type="button" value=""/> Check Inventory <input type="button" value=""/></p> <p style="font-size: small;">2.0 x 1.6 x 0.6 mm RoHS Compliant MSL Level = 1</p> <p>Description</p> <p>Engineered for robust performance in high-precision applications, this GNSS L2 band filter delivers exceptional resilience with a high 20 dBm maximum input power. While housed in a compact 2.0 x 1.6 x 0.6 mm package, it is built to withstand demanding RF environments. This combination of power handling and effective out-of-band rejection (>20 dB) makes it an ideal choice for critical positioning in RTK systems, autonomous vehicles, and industrial telematics, where signal integrity and durability are paramount. The component is RoHS compliant and rated MSL Level 1.</p> <p>Features</p> <ul style="list-style-type: none"> • Supports GNSS L2 Band • 2.0 x 1.6 x 0.6 mm in Size • Insertion Loss: 2.6 dB • Out-of-Band Rejection: > 20 dB • Maximum Input Power: 20 dBm • RoHS Compliant MSL Level 1 <p>Applications</p> <ul style="list-style-type: none"> • High-Precision GNSS Modules • RTK Systems • Automotive Transportation & Telematics • Asset Tracking / Fleet Management • UAVs, Robotics & Autonomous Vehicles • Micro-Mobility Solutions • Precision Agriculture <p>Ordering Information</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr style="background-color: #4a7ebb; color: white;"> <th>Part Number</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>AFS20A20-1227.60</td> <td>SMD 1227.6 MHZ SAW FILTER on Cut Tape</td> </tr> <tr> <td>AFS20A20-1227.60-F3</td> <td>SMD 1227.6 MHZ SAW FILTER on Tape & Reel</td> </tr> <tr> <td>AFS20A20-1227.60-EVB</td> <td>SMD 1227.6 MHZ SAW FILTER Evaluation Board</td> </tr> </tbody> </table> <p style="font-size: x-small;">Note: Other options not listed may be available upon request via Abracon online support</p>	Part Number	Description	AFS20A20-1227.60	SMD 1227.6 MHZ SAW FILTER on Cut Tape	AFS20A20-1227.60-F3	SMD 1227.6 MHZ SAW FILTER on Tape & Reel	AFS20A20-1227.60-EVB	SMD 1227.6 MHZ SAW FILTER Evaluation Board
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<p style="font-size: x-small;">12117 Bee Caves Rd, Bldg 3, Suite 200 Bee Cave, TX 78738 Phone: 512-371-6159 Fax: 512-351-8835 For terms and conditions of sales, please visit: www.abracon.com</p> <p style="font-size: x-small;">REVISID: 09-29-25</p> <p style="font-size: x-small;">ABRACON IS ISO9001:2015 CERTIFIED</p>	<p style="font-size: x-small;">12117 Bee Caves Rd, Bldg 3, Suite 200 Bee Cave, TX 78738 Phone: 512-371-6159 Fax: 512-351-8835 For terms and conditions of sales, please visit: www.abracon.com</p> <p style="font-size: x-small;">REVISID: 09-29-25</p> <p style="font-size: x-small;">ABRACON IS ISO9001:2015 CERTIFIED</p>								

Cause/Reason for Change: Updated test data & added ordering info

Change Plan

Effective Date: 09/29/2025	Additional Remarks:
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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:
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Additional Approval:	Additional Approval:	Additional Approval:
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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:

Brand	Affected PN	Discontinued/EOL PN	Added PN
Abrakon	AFS20A20-1227.60		
	AFS20A20-1227.60-T3		
	AFS20A20-1227.60-EVB		

Series	ECO#
AFS20A20-1227.60	R0441
AFS20A20-1227.60	R0441
AFS20A20-1227.60	R0441

Datasheet Link

<https://abracon.com/Filters/saw-filters/AFS20A20-1227.60-T3.pdf>

<https://abracon.com/Filters/saw-filters/AFS20A20-1227.60-T3.pdf>

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ECN Notification Link

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