

ECN/PCN No.: R0441

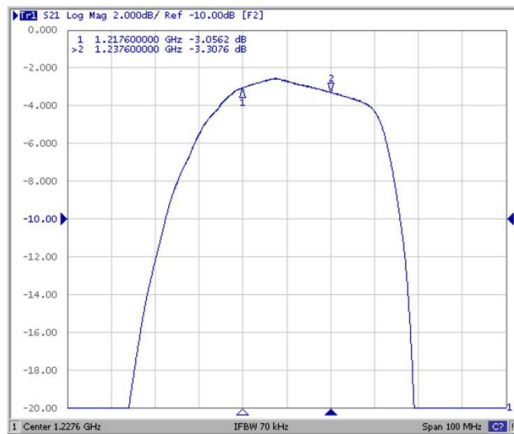
For Manufacturer

Product Description: SMD 1227.6 MHZ SAW FILTER	Abracon Part Number / Part Series: AFS20A20-1227.60	☐ Documentation only ☒ ECN ☐ EOL	☐ Series ☐ Part Number ☐ Safety ☒ Non-Safety
Affected Revision: A	New Revision: B	Application:	

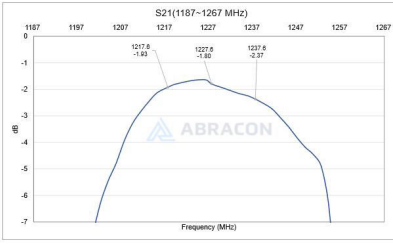
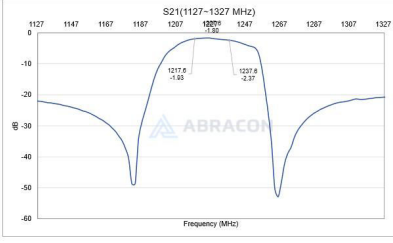
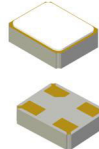
Prior to Change:

	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									
AFS20A20-1227.60	Request Samples Check Inventory	AFS20A20-1227.60	Request Samples Check Inventory								
Frequency Characteristics S21 narrow band  		Description 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. 									
Features • 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		Applications • High-Precision GNSS Modules • RTK Systems • 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; margin-top: 5px;"> <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-T3</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> Note: Other options not listed may be available upon request via Abracon online support				Part Number	Description	AFS20A20-1227.60	SMD 1227.6 MHZ SAW FILTER on Cut Tape	AFS20A20-1227.60-T3	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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 12117 Bee Caves Rd, Bldg 3, Suite 200 Bee Cave, TX 77718 Phone: 512-371-6159 / Fax: 512-351-8825 For terms and conditions of sales, please visit: www.abracon.com		 12117 Bee Caves Rd, Bldg 3, Suite 200 Bee Cave, TX 77718 Phone: 512-371-6159 / Fax: 512-351-8825 For terms and conditions of sales, please visit: www.abracon.com									
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: <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:									
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	Series	ECO#	Datasheet Link	ECN Notification Link
Abracon	AFS20A20-1227.60			AFS20A20-1227.60	R0441	https://abracon.com/Filters/saw-filters/AFS20A20-1227.60-T3.pdf	https://abracon.com/downloads/ECN-PCN/ECN-PCN-Notification_ECOR0441_AFS20A20-1227.60.pdf
Abracon	AFS20A20-1227.60-T3			AFS20A20-1227.60	R0441	https://abracon.com/Filters/saw-filters/AFS20A20-1227.60-T3.pdf	https://abracon.com/downloads/ECN-PCN/ECN-PCN-Notification_ECOR0441_AFS20A20-1227.60.pdf
Abracon	AFS20A20-1227.60-EVB			AFS20A20-1227.60	R0441	https://abracon.com/Filters/saw-filters/AFS20A20-1227.60-T3.pdf	https://abracon.com/downloads/ECN-PCN/ECN-PCN-Notification_ECOR0441_AFS20A20-1227.60.pdf