

ECN/PCN No.: R0053

For Manufacturer			
<b>Product Description:</b> SMD 418.0MHz SAW FILTER	<b>Abracon Part Number / Part Series:</b> AFS418S3	<input type="checkbox"/> Documentation only <input type="checkbox"/> ECN <input checked="" type="checkbox"/> EOL	<input type="checkbox"/> Series <input checked="" type="checkbox"/> Part Number
<b>Affected Revision:</b> Rev A	<b>New Revision:</b> EOL	<b>Application:</b>	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety
<b>Prior to Change:</b>  N/A			
<b>After Change:</b>  EOL			
<b>Cause/Reason for Change:</b> Due to low demand this part is discontinued.			
Change Plan			
<b>Effective Date:</b> 06/28/2021	<b>Additional Remarks:</b> N/A		
<b>Change Declaration:</b> EOL			
<b>Issued Date:</b> 06/28/2021	<b>Issued By:</b> <i>Nicholas El-Takach</i>	<b>Issued Department:</b> Engineering	
<b>Approval:</b> <i>Syed Raza</i> Engineering VP	<b>Approval:</b> <i>Reuben Quintanilla</i> Quality Director	<b>Approval:</b> <i>Ying Huang</i> Purchasing Director	
For Abracon EOL only			
<b>Last Time Buy (if applicable):</b> No last time buy.		<b>Alternate Part Number / Part Series:</b> N/A	
<b>Additional Approval:</b>	<b>Additional Approval:</b>	<b>Additional Approval:</b>	
Customer Approval (If Applicable)			
<b>Qualification Status:</b> <div style="text-align: center;"><input type="checkbox"/> Approved <input type="checkbox"/> Not accepted</div> <i>Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.</i>			
<b>Customer Part Number:</b>		<b>Customer Project:</b>	
<b>Company Name:</b>	<b>Company Representative:</b>	<b>Representative Signature:</b>	
<b>Customer Remarks:</b>			

# SMD 418.0MHz SAW FILTER

AFS418S3

APPLICATION: Automotive Electronics/Remote Control



3.8 x 3.8 x 1.5mm

## STANDARD SPECIFICATIONS:

CHARACTERISTICS	UNIT	MIN.	TYP.	MAX.
Center Frequency Fc	MHz	-	418	-
Bandwidth	MHz	-	Fc + 2.0	-
Insertion Loss @ Passband	dB	-	-	4.5
Ripple @ Passband	dB	-	-	2
Relative Attenuation				
Fc-100 ~ Fc-40.8 MHz	dB	55		-
Fc+40.8 ~ Fc+100 MHz	dB	55		-
DC Voltage	V		10	
Source Power	dBm		0	
Operating Temperature	°C	-10°C to +50°C		
Storage Temperature	°C	-45°C to +85°C		
Terminating Impedance	-		150Ω/0 pF	

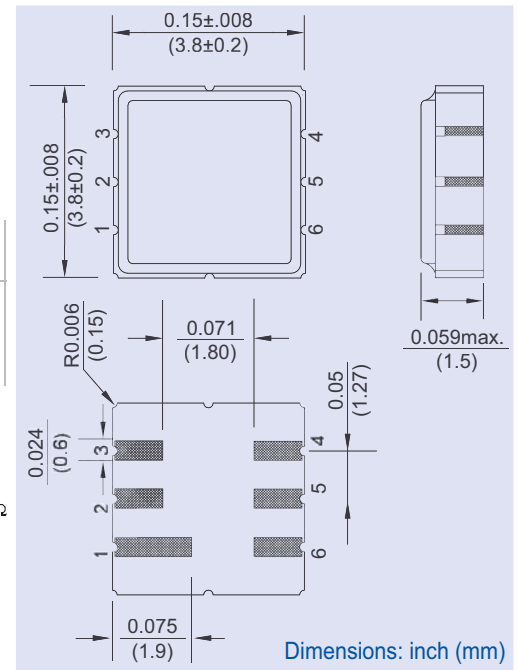
Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

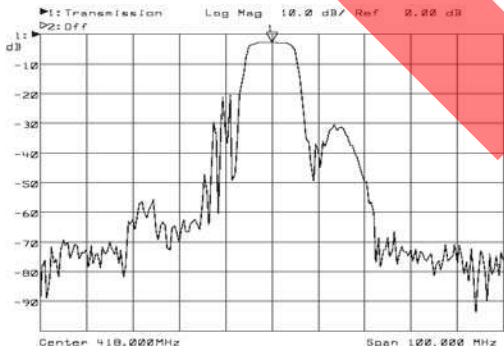
- 418.00 (418.0 Frequency in MHz)
- AF ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004; X: Traceability code)

PIN NO.	CONNECTIONS
2	Input
5	Output
All Others	Ground

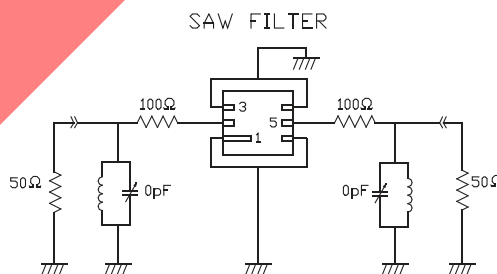
## OUTLINE DRAWING:



## FREQUENCY RESPONSE:



## TEST CIRCUIT:



Please refer to ABRACON's Chip Inductor Series AISC-0603 for Test Inductors