

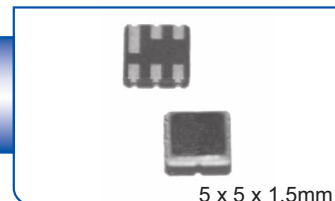
**ECN/PCN No.: R0051**

For Manufacturer			
<b>Product Description:</b> 390MHz SMD SAW FILTER	<b>Abracon Part Number / Part Series:</b> AFS390E	<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 E	<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 390.0 MHz SAW FILTER

AFS390E

APPLICATION: Radio



5 x 5 x 1.5mm

## STANDARD SPECIFICATIONS:

CHARACTERISTICS	UNIT	MIN.	TYP.	MAX.
Center Frequency Fc	MHz	389.920	390.000	390.080
Bandwidth	kHz	500	-	800
Insertion Loss @ Passband	dB	-	1.7	3.0
Ripple @ Passband	dB	-	-	-
Relative Attenuation				
- 21.4Mhz	dB	40	50	-
- 10.7MHz	dB	15	40	-
F where 10M < F < Fc -21.4M Fc+21.4<F<1000M	dB	30	80	-
DC Voltage	V		10	
AC Voltage	V		10V(50Hz/60Hz)	
Source Power	dBm		0	
Operating Temperature	°C		-35°C to +50°C	
Storage Temperature	°C		-35°C to +85°C	
Frequency aging	ppm/yr		< ±10	
External impedance	nH		43	
Series inductance L				
Shunt capacitance C	pF		5.6	

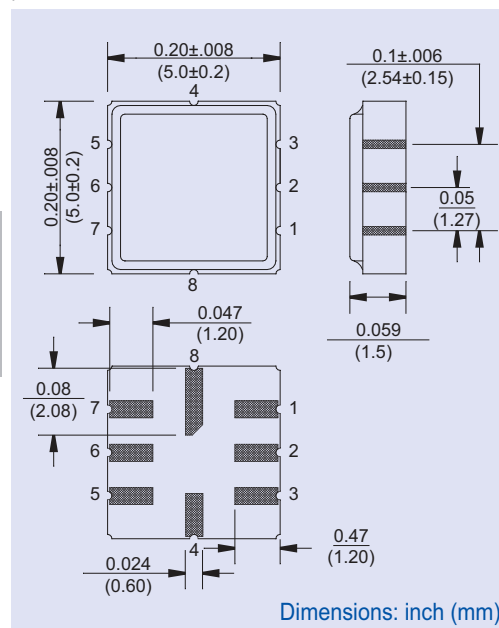
Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

- 390.00 (390 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)

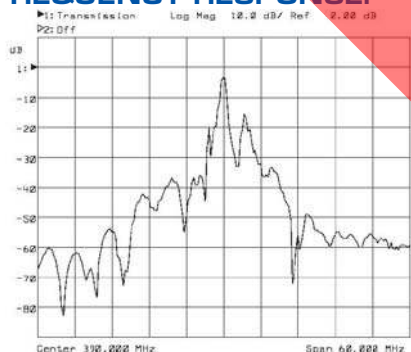
PIN NO.	CONNECTIONS
2	Input
5	Output
All Others	Ground

## OUTLINE DRAWING:

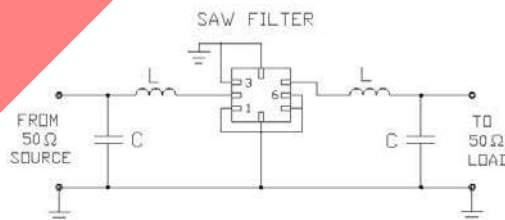


Dimensions: inch (mm)

## FREQUENCY RESPONSE:



## TEST CIRCUIT:



Please refer to ABRACON's Chip Inductor Series AISC-0603 for test inductors.