

ECN/PCN No.: R0051

For Manufacturer			
Product Description: 390MHz SMD SAW FILTER	Abracon Part Number / Part Series: 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
Affected Revision: Rev E	New Revision: EOL	Application:	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety
Prior to Change: N/A			
After Change: EOL			
Cause/Reason for Change: Due to low demand this part is discontinued.			
Change Plan			
Effective Date: 06/28/2021	Additional Remarks: N/A		
Change Declaration: EOL			
Issued Date: 06/28/2021	Issued By: <i>Nicholas El-Takach</i>	Issued Department: Engineering	
Approval: <i>Syed Raza</i> Engineering VP	Approval: <i>Reuben Quintanilla</i> Quality Director	Approval: <i>Ying Huang</i> Purchasing Director	
For Abracon EOL only			
Last Time Buy (if applicable): No last time buy.	Alternate Part Number / Part Series: N/A		
Additional Approval:	Additional Approval:	Additional Approval:	
Customer Approval (If Applicable)			
Qualification Status: <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>			
Customer Part Number:		Customer Project:	
Company Name:	Company Representative:	Representative Signature:	
Customer Remarks:			

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	dB	30	80	-
Fc+21.4<F<1000M				-
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	

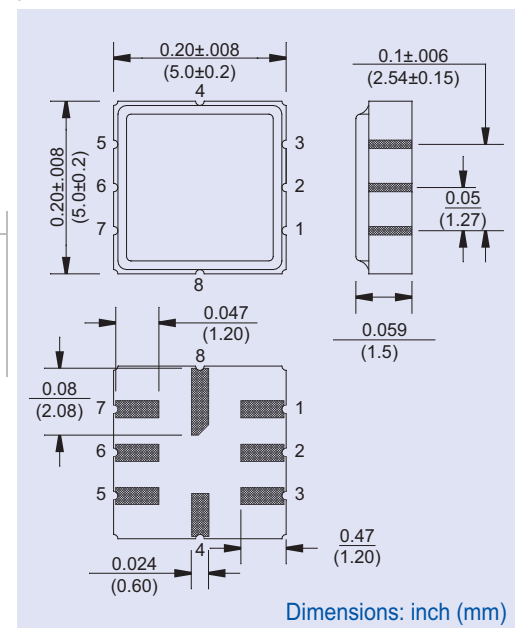
Electrostatic Sensitive Device. Handle with precaution.

MARKING:

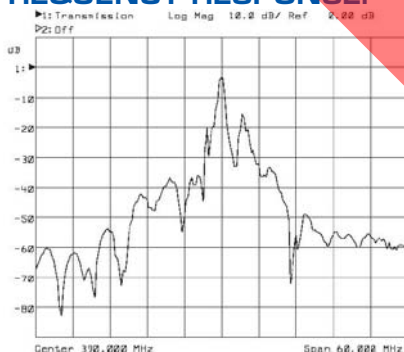
- 390.00 (390 Frequency in MHz)
- AF ZYX (ZY: Date code Z for month from A to L; Y for year, i.e. 4 for 2004; X: Traceability code)

PIN NO.	CONNECTIONS
2	Input
5	Output
All Others	Ground

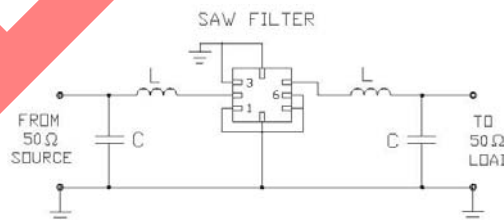
OUTLINE DRAWING:



FREQUENCY RESPONSE:



TEST CIRCUIT:



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

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