

ECN/PCN No.: R0050

For Manufacturer			
<b>Product Description:</b> SMD 374.0MHz SAW Filter	<b>Abracon Part Number / Part Series:</b> AFS374E	<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 B	<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 374.0MHz SAW FILTER

AFS374E

APPLICATION: WLAN



5 x 5 x 1.35mm

## STANDARD SPECIFICATIONS:

CHARACTERISTICS	UNIT	MIN.	TYP.	MAX.
Center Frequency Fc	MHz	-	374	-
Bandwidth	MHz	17	20.5	
Insertion Loss @ Passband	dB	-	8.5	10.5
Ripple @ Passband	dB		0.5	1
Relative Attenuation				
309 ~ 352 MHz	dB	40	50	-
352 ~ 357.5 MHz	dB	35	50	-
390.5 ~ 392 MHz	dB	35	45	-
392 ~ 396 MHz	dB	35	40	-
396 ~ 439 MHz	dB	38	42	-
439 ~ 454 MHz	dB	40	45	-
Ultimate Rejection	dB	50	-	-
DC Voltage	V		±30	
Source Power	dBm		0	
Operating Temperature	°C		-35°C to +85°C	
Storage Temperature	°C		-45°C to +85°C	
Group Delay Ripple p-p @ Fc ± 7MHz	nS	-	40	100
Triple Transit Suppression	dB	30	40	-

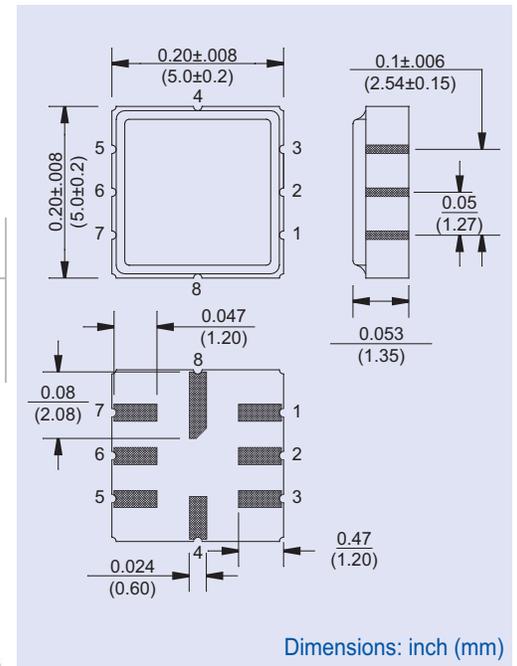
Electrostatic Sensitive Device. Handle with precaution.

## MARKING:

- 374.00 (374 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)

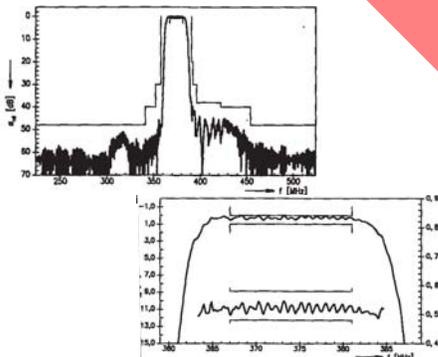
PIN NO.	CONNECTIONS
1	GND
2	Input- or GND
3	Input+
4	Case GND
5	GND
6	Output- or GND
7	Output+
8	Case GND

## OUTLINE DRAWING:



The termination shall be suitable for solder reflow.  
Note: For the test inductors, please refer to Abracon's chip inductor series: AISC-0603.

## FREQUENCY RESPONSE:



## TEST CIRCUIT:

