

# 433.920MHz SURFACE MOUNT SAW FILTER

AFS433.92N03-SE

AFS433.  
92N03-  
SE



5.0 x 5.0 x 1.5mm



**RoHS**  
Compliant

## FEATURES:

- Miniature and light weight
- SMD makes reflow soldering possible

## APPLICATIONS:

- Wireless car alarm
- Garage door opener
- Remote Keyless entry

## ELECTRONIC SPECIFICATIONS:

### PARAMETERS

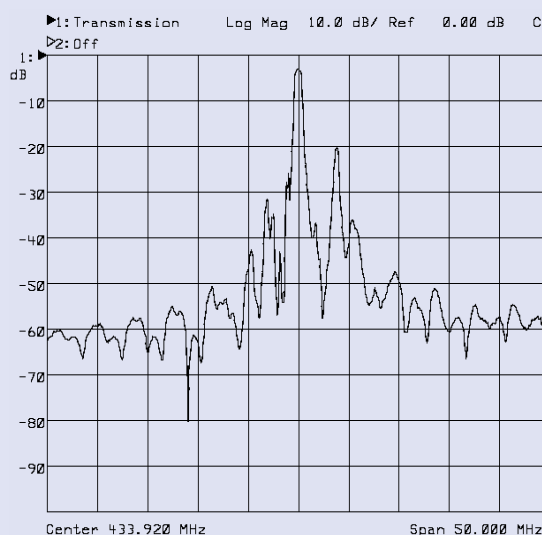
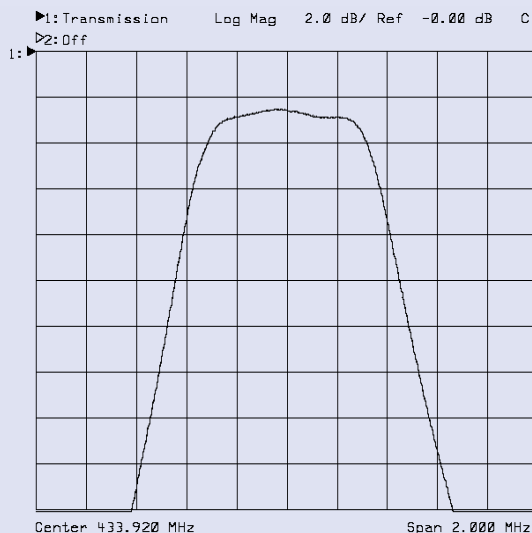
ABRACON P/N: AFS433.92N03-SE

Item	Units	Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	433.92	-
Insertion Loss (433.80MHz ~ 434.120MHz)	dB	-	2.0	4.5
Pass Band Ripple (433.80MHz ~ 434.120MHz)	dB	-	1.0	2.0
Attenuation				
10.00MHz ~ 414.00MHz	dB	45.0	50.0	--
414.00MHz ~ 428.00MHz	dB	40.0	45.0	--
428.00MHz ~ 432.92MHz	dB	15.0	20.0	--
434.92MHz ~ 442.00MHz	dB	10.0	15.0	--
442.00MHz ~ 550.00MHz	dB	35.0	40.0	--
550.00MHz ~ 1000.00MHz	dB	45.0	50.0	--
Temperature Coefficient of Frequency	ppm/K <sup>2</sup>	-	-0.03	-
External Impedance Match				
Series Inductance L	nH	-	33	-
Shunt Capacitance C	pF	-	5.6	-
Absolute First Year Aging	ppm	-	-	10

### ABSOLUTE MAXIMUM RATING

DC Voltage V <sub>DC</sub>	10V
AC Voltage V <sub>pp</sub>	10V (50Hz/60Hz)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-45°C to +85°C
Source Power	10dBm

## FREQUENCY CHARACTERISTICS:



ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED



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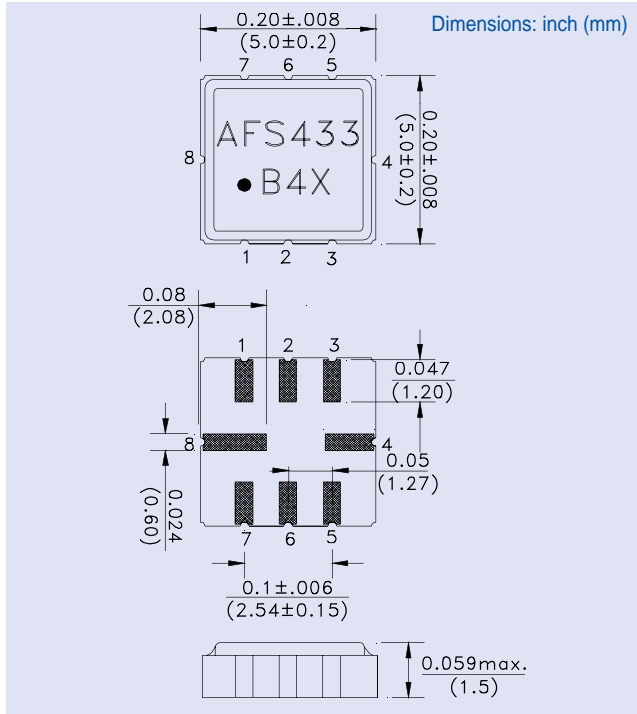


RoHS  
Compliant



5.0 x 5.0 x 1.5mm

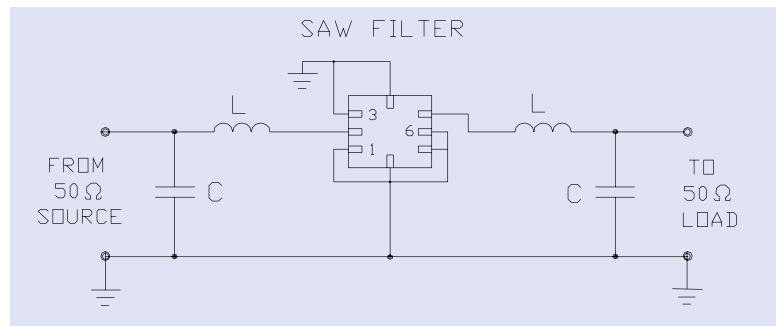
## OUTLINE DRAWING:



X = Traceability Code

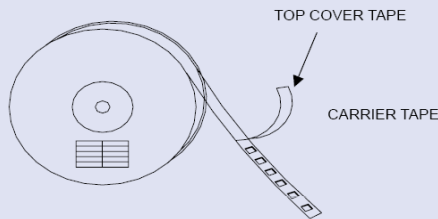
Pin No.	Function
1	Input Ground
2	Input
3	Ground
4	Case Ground
5	Output
6	Output Ground
7	Ground
8	Case Ground

## TEST CIRCUIT:

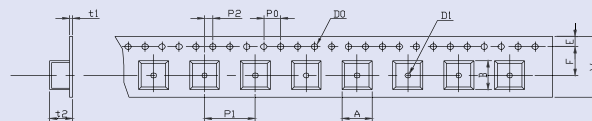
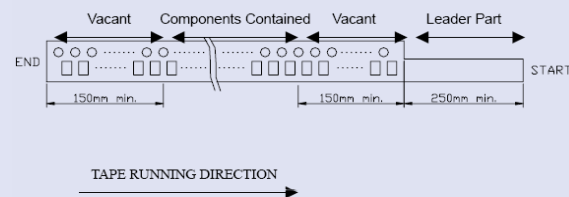


## TAPE & REEL:

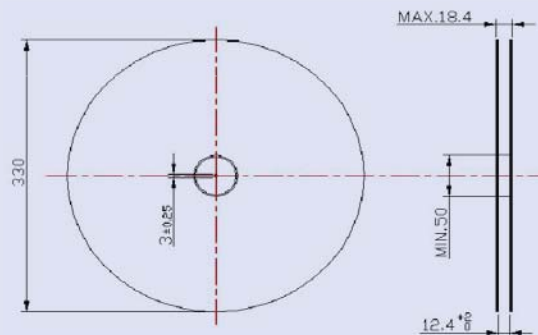
Taping Structure



Leader part and vacant position specification



Tensile Strength of carrier tape: 4.4N/mm width.  
 Top Cover Tape Adhesion  
 1) pull off angle: 0-15°  
 2) speed: 300mm/min.  
 3) force 20-70g



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