

434.0MHz SMD SAW FILTER

AFS434.0W02-TS3



RoHS
Compliant



3.8 x 3.8 x 1.5mm

FEATURES:

- 3.8 x 3.8 x 1.5mm SMD package
- Low pass band insertion loss
- Input/output 50ohm terminated

APPLICATIONS:

- CDMA450
- RF SAW filter for Telecommunication
- PDA

STANDARD SPECIFICATIONS:

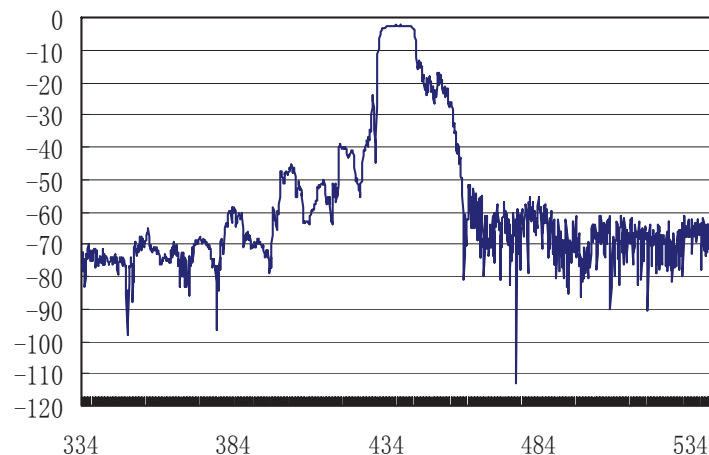
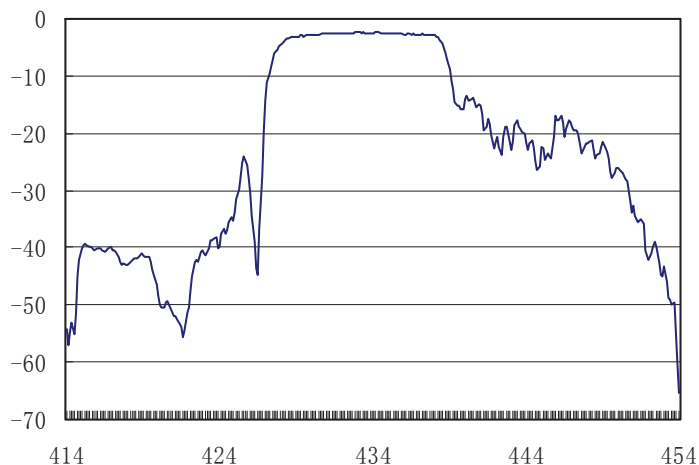
MAXIMUM RATINGS

Item	Value
Operation Temperature Range	-40°C to +125°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	10V DC max.
Maximum Input Power	0 dBm

ELECTRICAL CHARACTERISTICS

Item	Frequency (MHz)	Specification
Center Frequency (fo)	434.0	
Pass Band Width	$f_o \pm 2.0$	
Insertion Loss	$f_o \pm 2.0$	4.5 dB max.
Pass Band Ripple	$f_o \pm 2.0$	1.5 dB max
Stop Band Attenuation	$f_o - 100 \sim f_o - 40.8$ $f_o + 40.8 \sim f_o + 100$	50 dB min. 50 dB min.
Terminating Impedance		50Ω/0pF

FREQUENCY CHARACTERISTICS:



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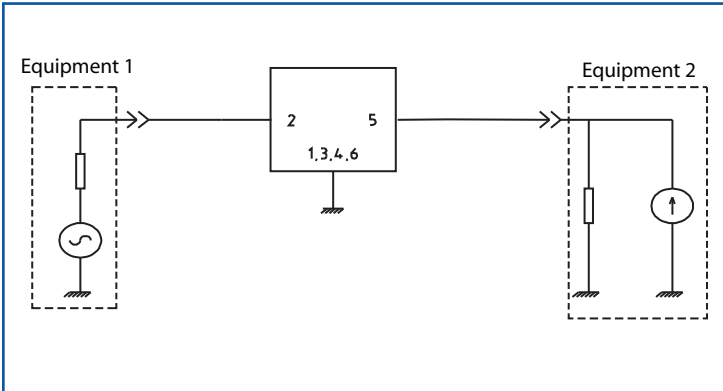


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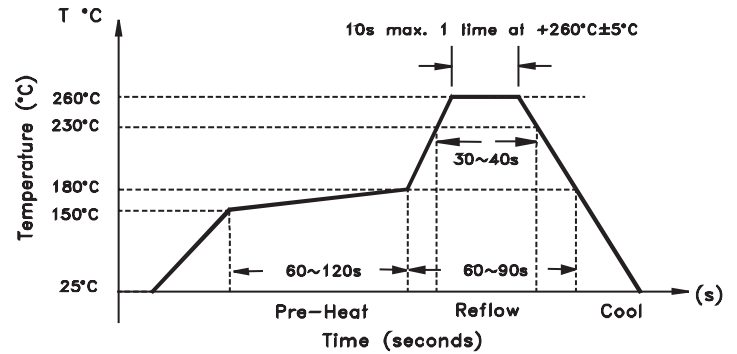


3.8 x 3.8 x 1.5mm

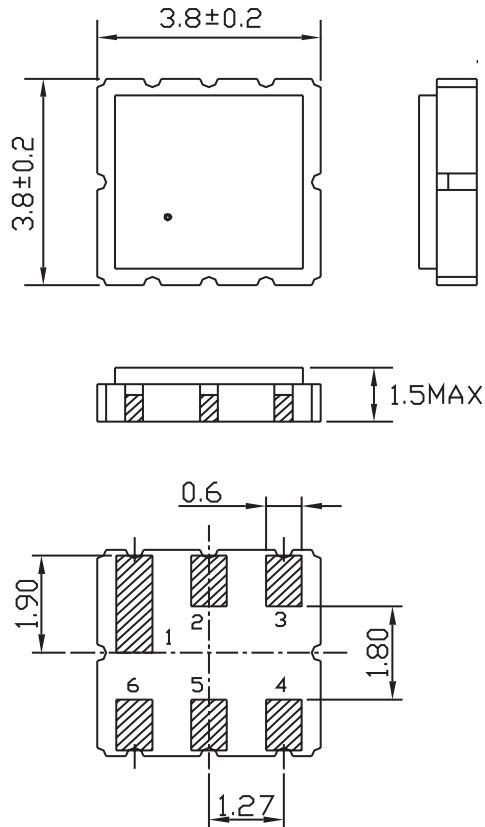
TEST CIRCUIT:



REFLOW PROFILE:



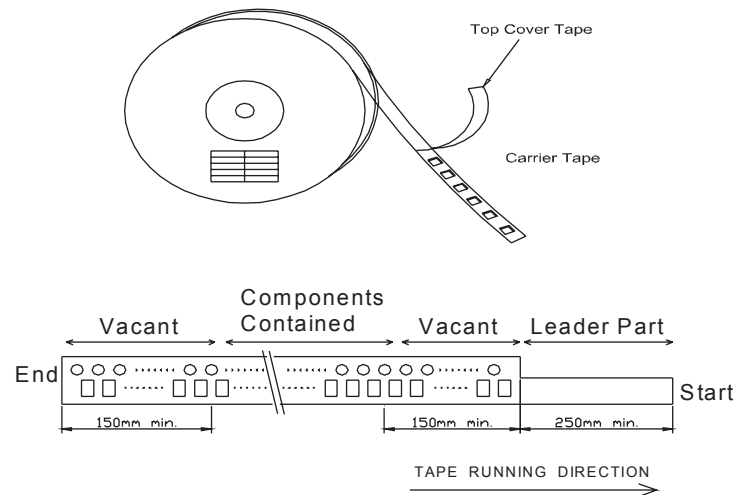
OUTLINE DIMENSIONS:



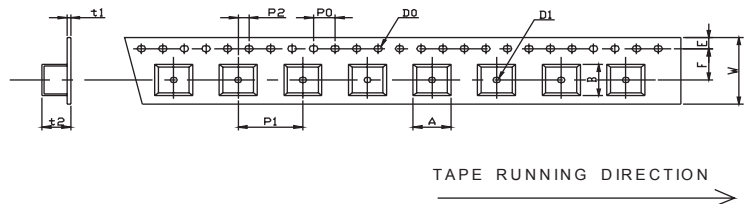
Dimension : mm

Pin No.	Function
Pin 2	Input
Pin 5	Output
Other	Ground

TAPE & REEL: Tape and reel (1,000pcs/reel)



TAPE & REEL DIMENSION AND PARTS DIRECTION



Dimension : mm

W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	8.0	2.0	Φ1.5	Φ1.5	0.31	1.95	4.1	4.1
±0.3	±0.1	±0.1	±0.2	±0.1	±0.2	±0.1	±0.25	max.	max.	max.	max.

NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.