

345.0MHz SMD SAW FILTER

AFS345.0W02-TS31



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
- High input power
- Low pass band ripple

APPLICATIONS:

- CDMA450
- RF SAW filter for Telecommunication
- PDA

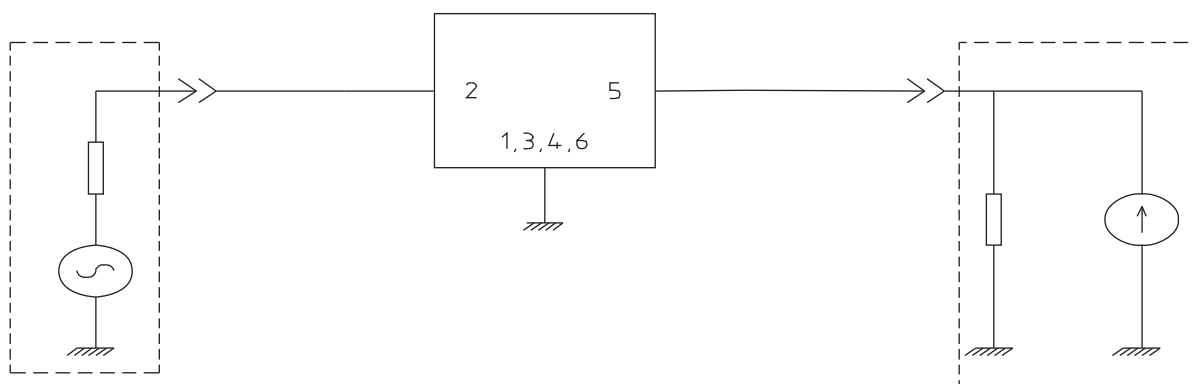
STANDARD SPECIFICATIONS:

MAXIMUM RATINGS

Item	Value
Operating 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

Item	Frequency (MHz)	Specification
Center Frequency (fo)	345.0	
Pass Band Width	344.4 ~ 345.525	
Insertion Loss	Pass Band	3.5 dB max.
Pass Band Ripple	Pass Band	1.5 dB max.
Stop Band Rejection	10 ~ 325	50 dB min
	325 ~ 330	45 dB min
	330 ~ 337	30 dB min
	337 ~ 339	20 dB min
	352 ~ 370	20 dB min
	370 ~ 375	45 dB min
	375 ~ 700	50 dB min
	700 ~ 1000	40 dB min.
Terminating Impedance		50Ω / 0pF

TEST CIRCUIT:



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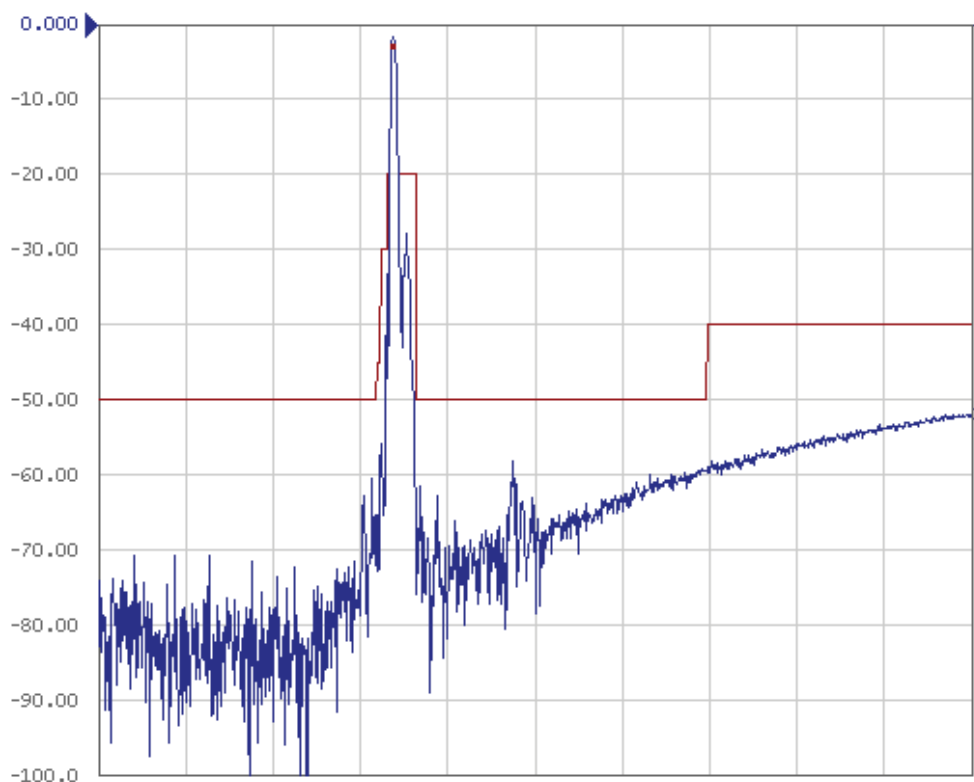
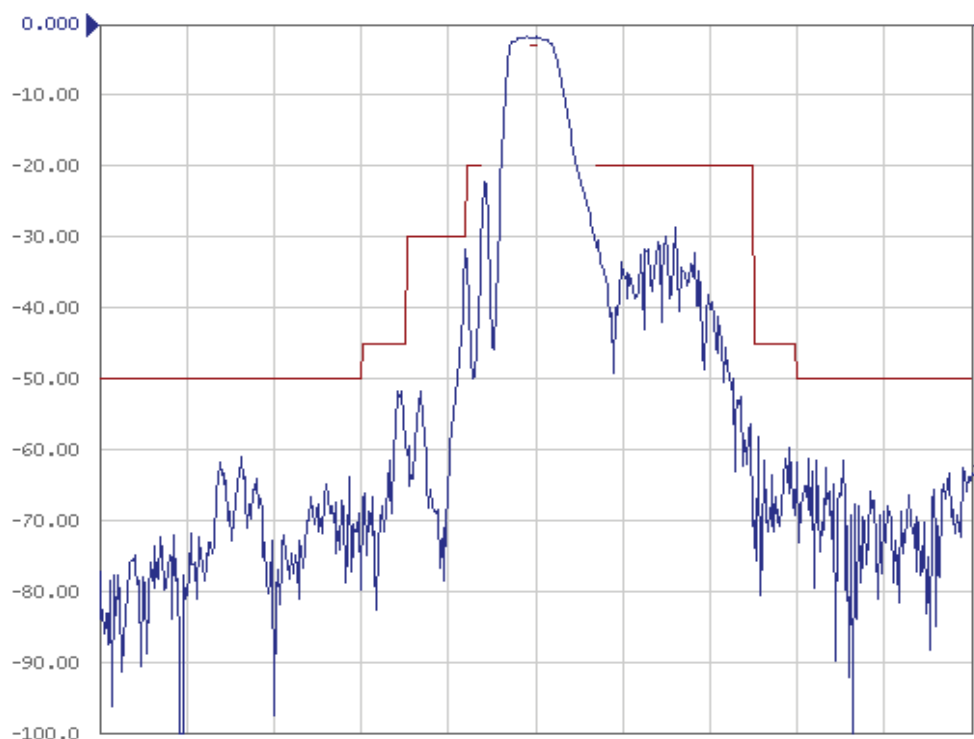


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3.8 x 3.8 x 1.5mm

FREQUENCY CHARACTERISTICS:



ABRACON IS
ISO9001:2008
CERTIFIED



ABRACON
CORPORATION

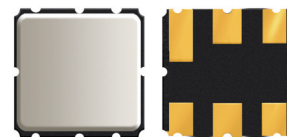
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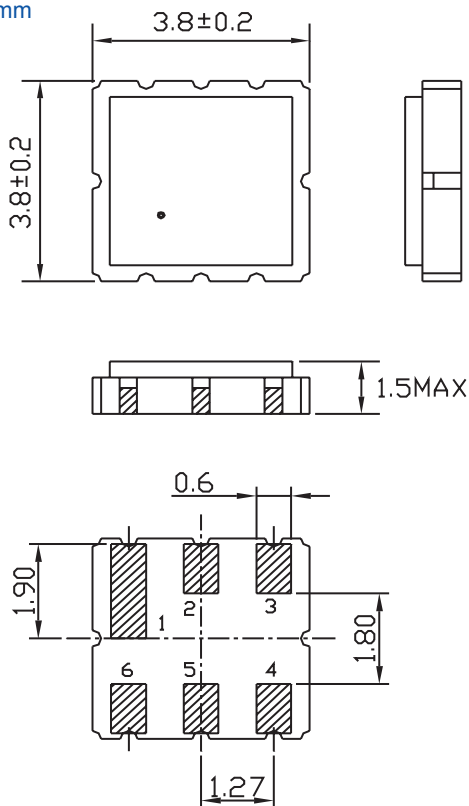
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OUTLINE DIMENSIONS:

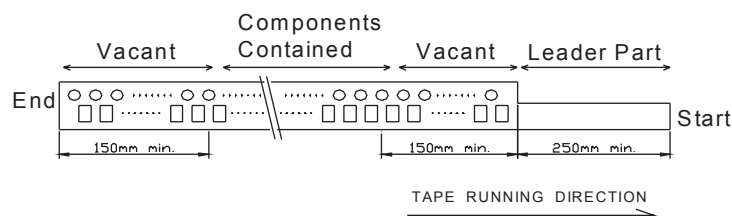
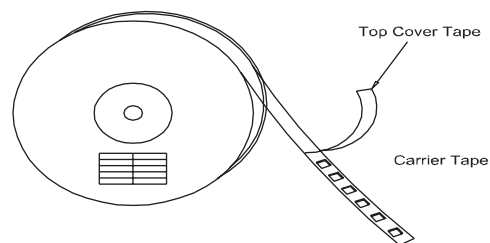
Dimension : mm



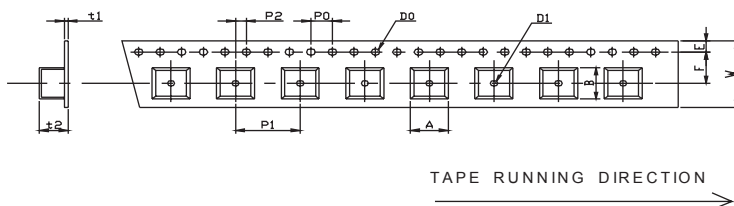
Pin No.	Function
Pin 2	Input
Pin 5	Output
Other	Ground

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

Dimension : mm

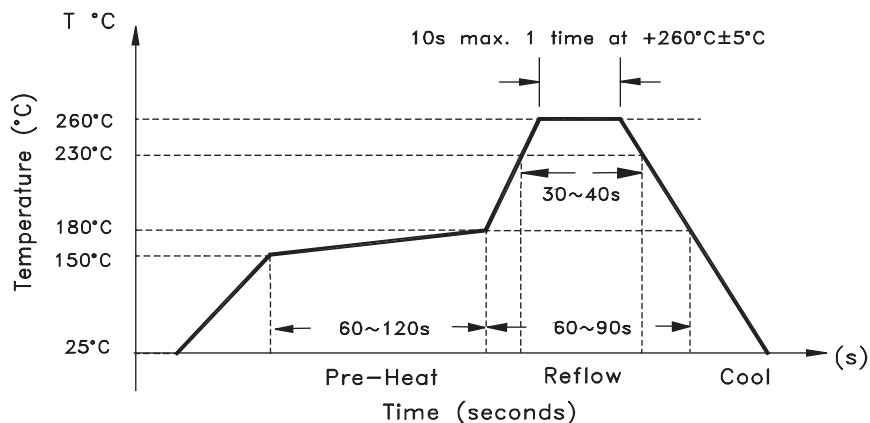


TAPE & REEL DIMENSION AND PARTS DIRECTION



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.

REFLOW PROFILE:



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.