

2140.0MHz SMD SAW FILTER

AFS42140.0W01-TS4



RoHS
Compliant



3.0 x 3.0 x 1.5mm

FEATURES:

- 3.0 x 3.0 x 1.5mm SMD package
- Low loss
- Reflow capable
- High input power

APPLICATIONS:

- WCDMA
- Wireless communication
- PDA

STANDARD SPECIFICATIONS:

MAXIMUM RATINGS

Item	Value
Operating Temperature Range	-30°C to +80°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	0V DC max.
Maximum Input Power	13 dBm

ELECTRICAL CHARACTERISTICS

Item	Frequency (MHz)	Specification
Center Frequency (fo)	2140.0	
Insertion Loss	2110 ~ 2170	2.1 dB typ. / 3.5 dB max.
Amplitude Ripple within 2110 ~ 2170 MHz		0.6 typ. / 2.0 max.
Stop Band Attenuation	D.C. ~ 500	21 dB min. / 33 dB typ.
	500 ~ 1900	20 dB min. / 28 dB typ.
	1900 ~ 2050	25 dB min. / 30 dB typ.
	2215 ~ 2300	20 dB min. / 32 dB typ.
	2300 ~ 4500	25 dB min. / 32 dB typ.
VSWR within 2110 ~ 2170 MHz		1.9 typ. / 2.2 max.
Source Impedance		50Ω typ.
Load Impedance		50Ω typ.

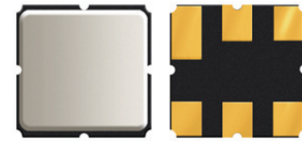


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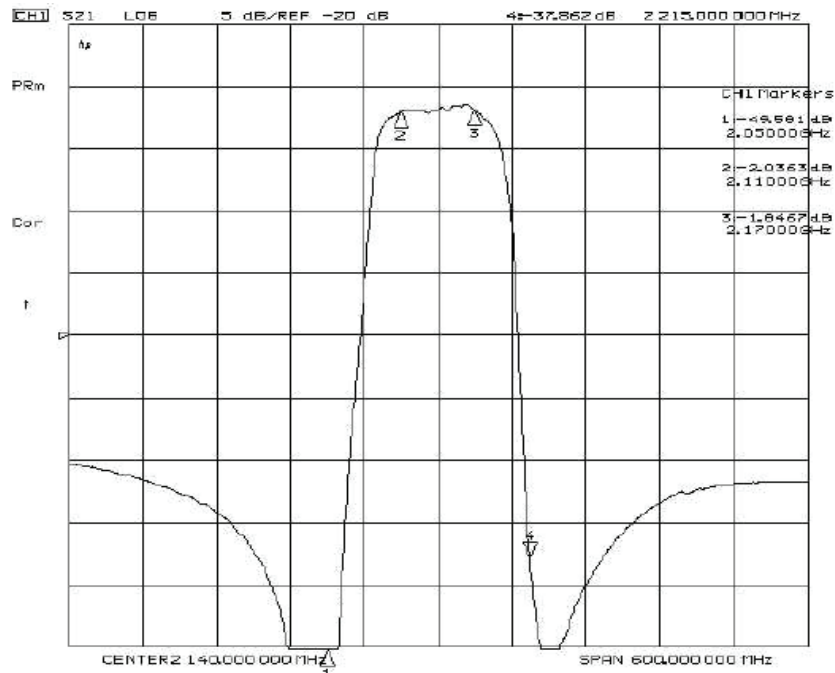
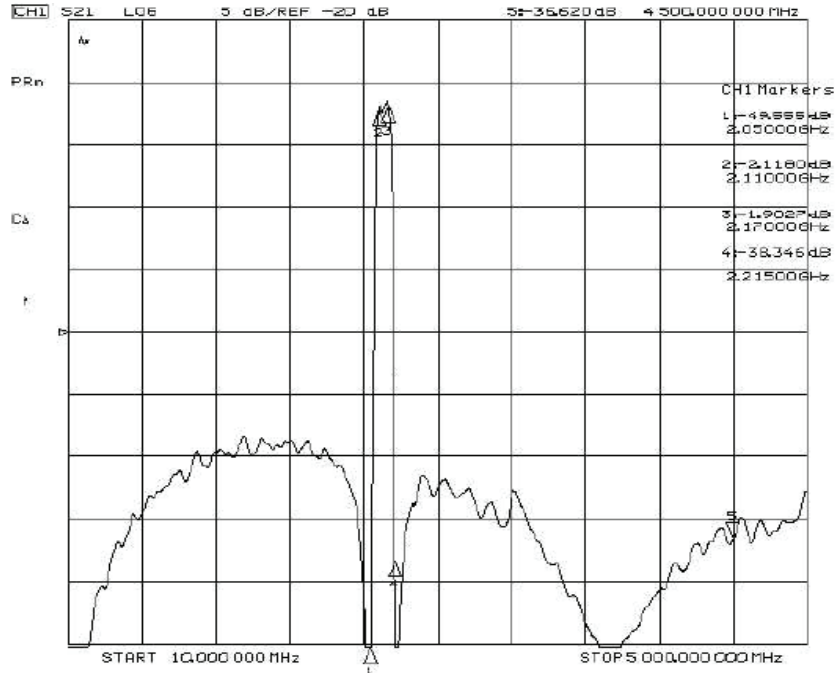


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FREQUENCY CHARACTERISTICS:



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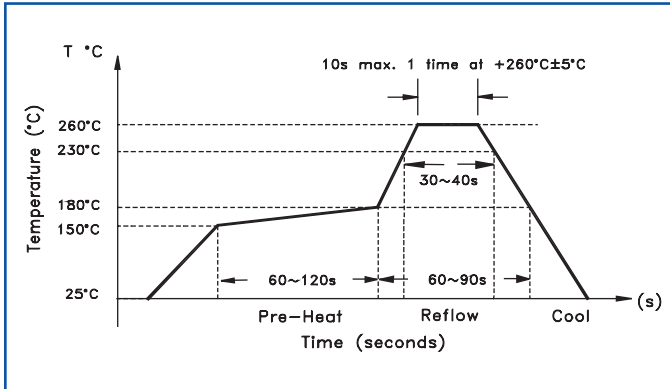


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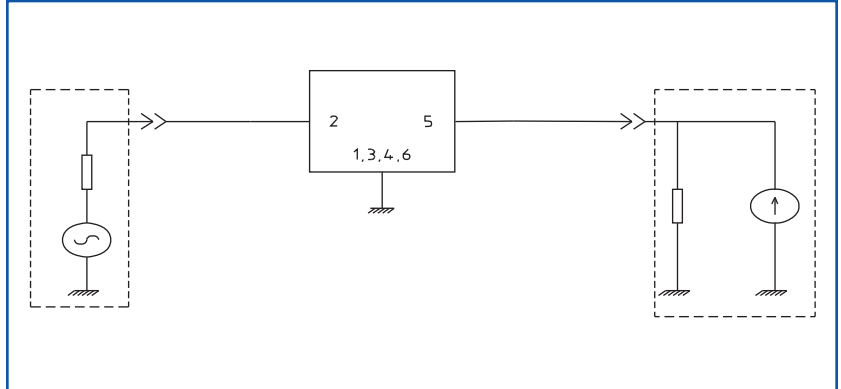


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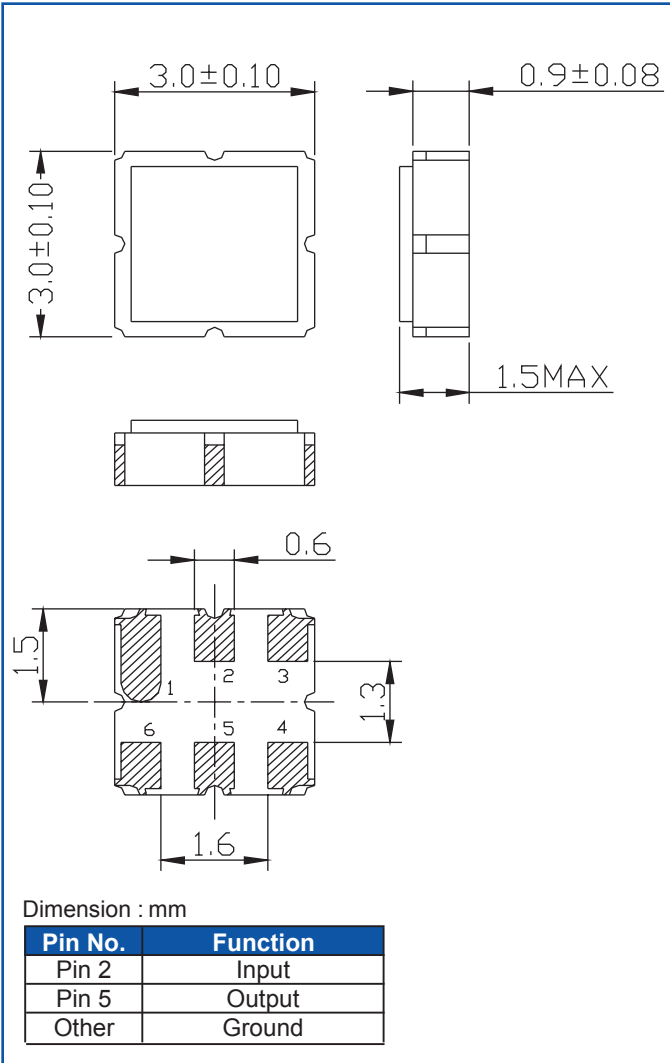
REFLOW PROFILE:



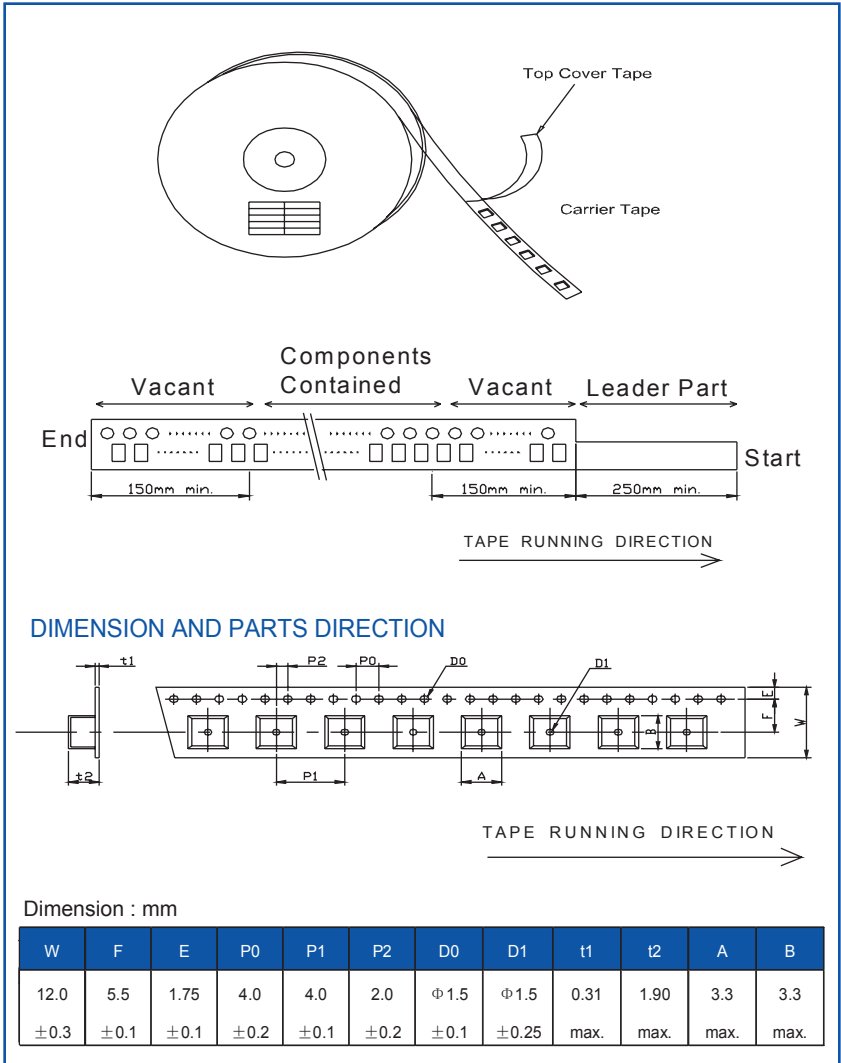
TEST CIRCUIT:



OUTLINE DIMENSIONS:



TAPE & REEL: Tape and reel (3,000pcs/reel)



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.