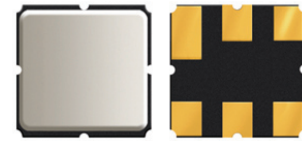


815.5MHz SMD SAW FILTER

AFS815.5W01-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 +70°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	3V DC max.
Maximum Input Power	+7 dBm

ELECTRICAL CHARACTERISTICS

Item	Frequency (MHz)	Specification
Center Frequency (fo)	815.5	
Insertion Loss	806.0 ~ 825.0	3.5 dB max.
Group Delay Ripple	806.0 ~ 825.0	50.0 ns max.
Attenuation	851.0 ~ 866.0	40 dB min.
	935.0 ~ 940.0	35 dB min.
	960.65 ~ 979.65	35 dB min.
	1115.3 ~ 1134.3	37 dB min.
	1269.95 ~ 1288.95	40 dB min.
	1612.0 ~ 1650.0	35 dB min.
	1650.0 ~ 2600.0	25 dB min.
Temperature Coefficient of Frequency		-30.0 ppm/°C
VSWR (806.0 ~ 825.0MHz)		2.0 max.
Input Impedance		50Ω
Output Impedance		50Ω

815.5MHz SMD SAW FILTER

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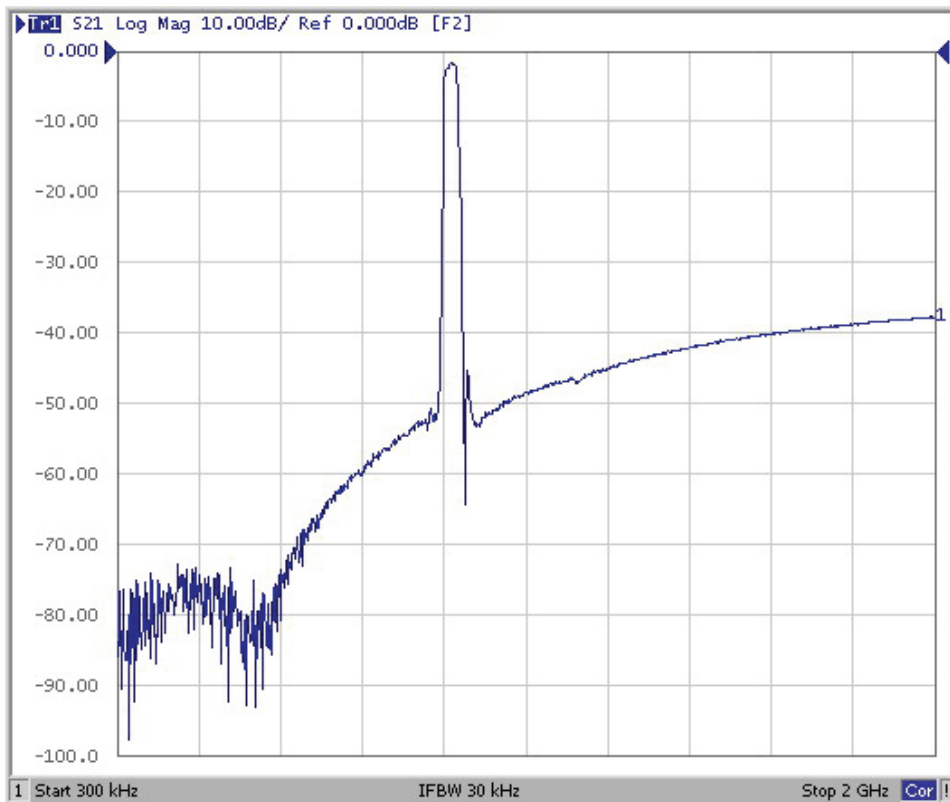
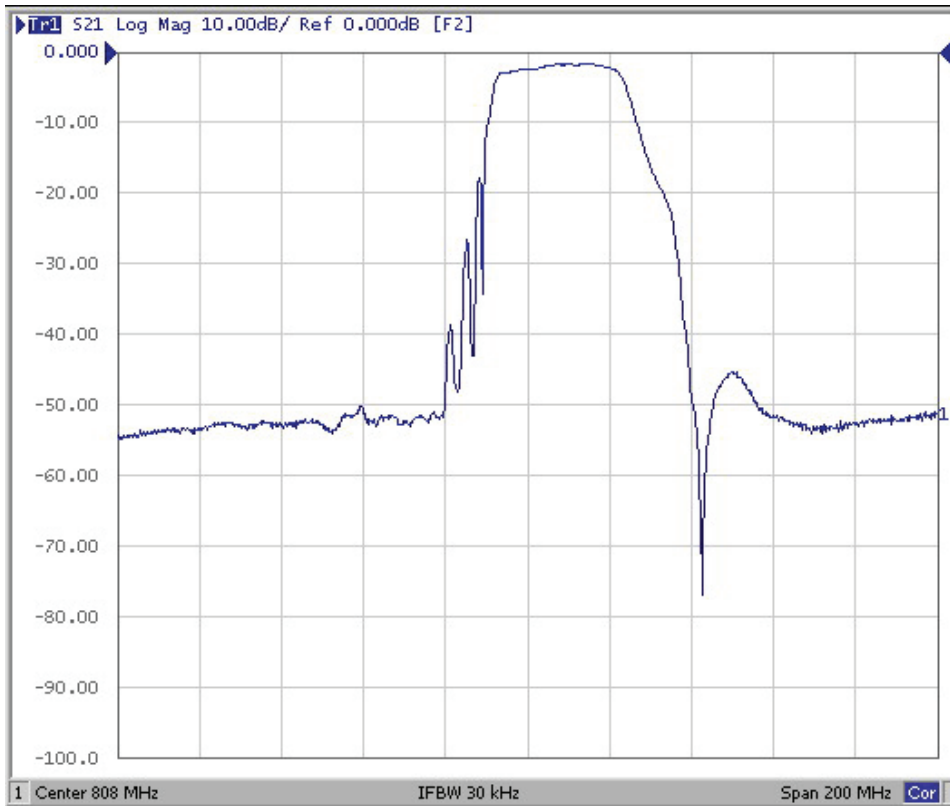


RoHS
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3.0 x 3.0 x 1.5mm

FREQUENCY CHARACTERISTICS:



ABRACON IS
ISO9001:2008
CERTIFIED



ABRACON
CORPORATION

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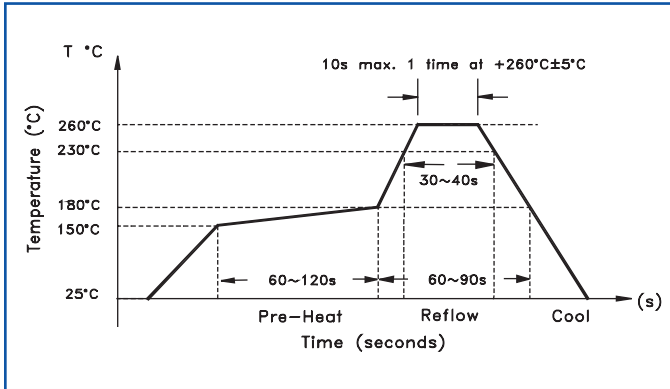


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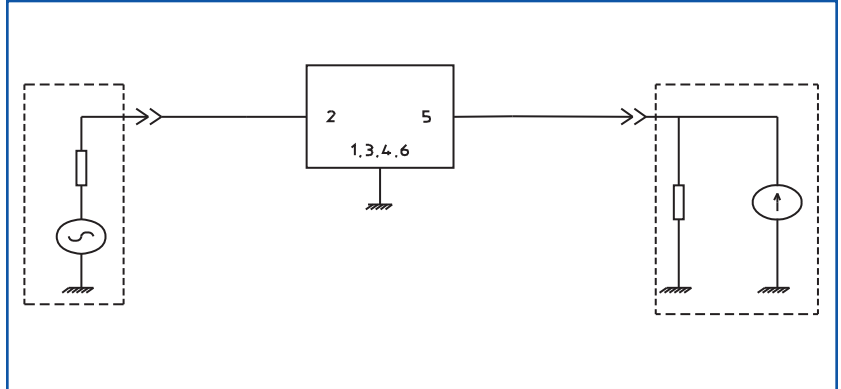


3.0 x 3.0 x 1.5mm

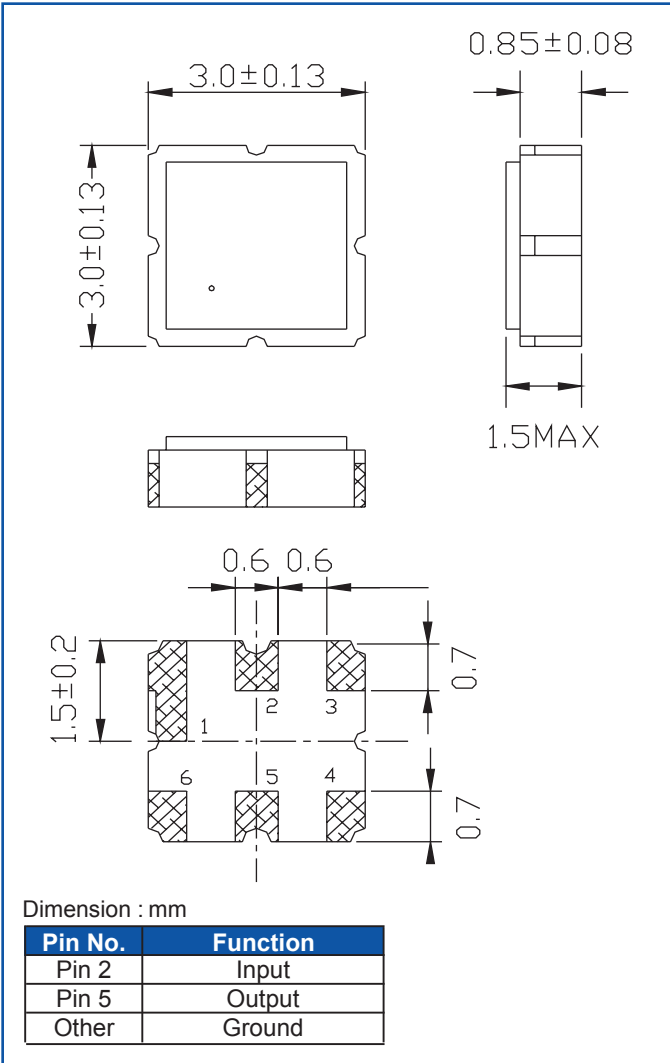
REFLOW PROFILE:



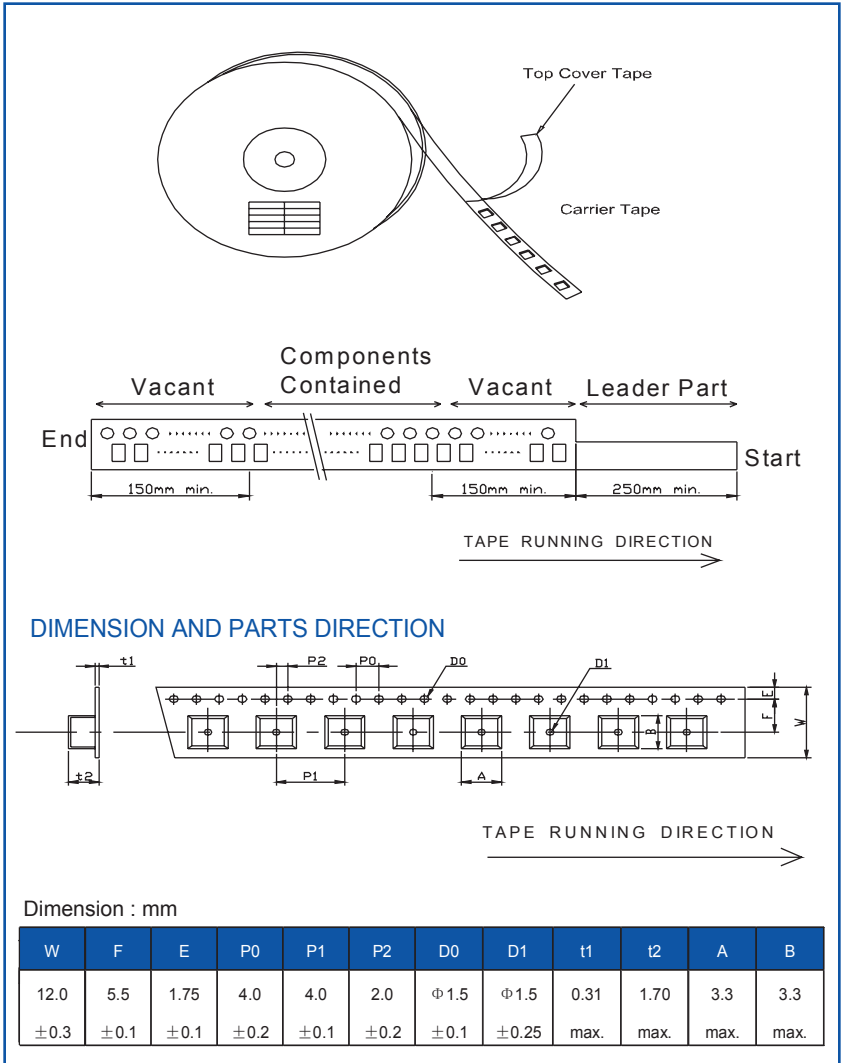
TEST CIRCUIT:



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.