

# SMD 947.5MHz SAW Filter

AFS947.50W01-TS4



RoHS / RoHS II Compliant



3.0 x 3.0 x 1.5 mm

## FEATURES:

- Low insertion loss
- 3.0 x 3.0 x 1.5mm compact SMD package
- Suitable for RoHS reflow profile

## APPLICATIONS:

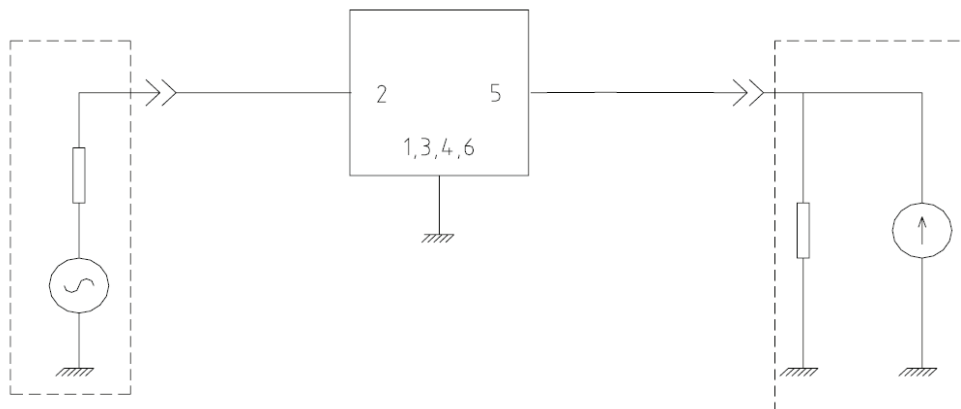
- Wireless communication
- Remote control
- Cellular phones

## STANDARD SPECIFICATIONS:

Item	Value
Operating Temperature Range	-15°C to +35°C
Storage Temperature Range	-40°C to +85°C
DC Voltage	3V DC max.
Maximum Input Power	10 dBm

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency ( $f_0$ )		947.5		MHz	
Insertion Loss		2.9	4.3	dB	935 ~ 960MHz
Amplitude Ripple		1.2	2.4	dB	935 ~ 960MHz
Attenuation	40	47		dB	800 ~ 900MHz
	35	41			920MHz
	17				920 ~ 925MHz
	40	47			1050 ~ 1095MHz
Source Impedance		50		$\Omega$	
Load Impedance		50		$\Omega$	

## TEST CIRCUIT:



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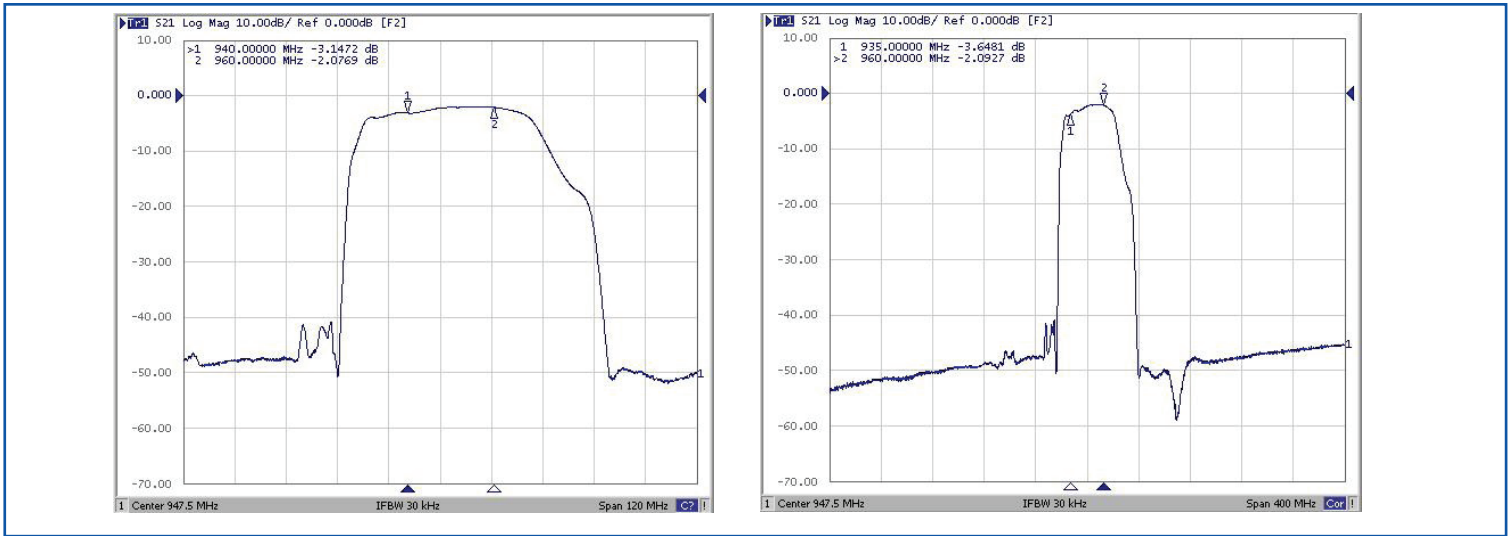
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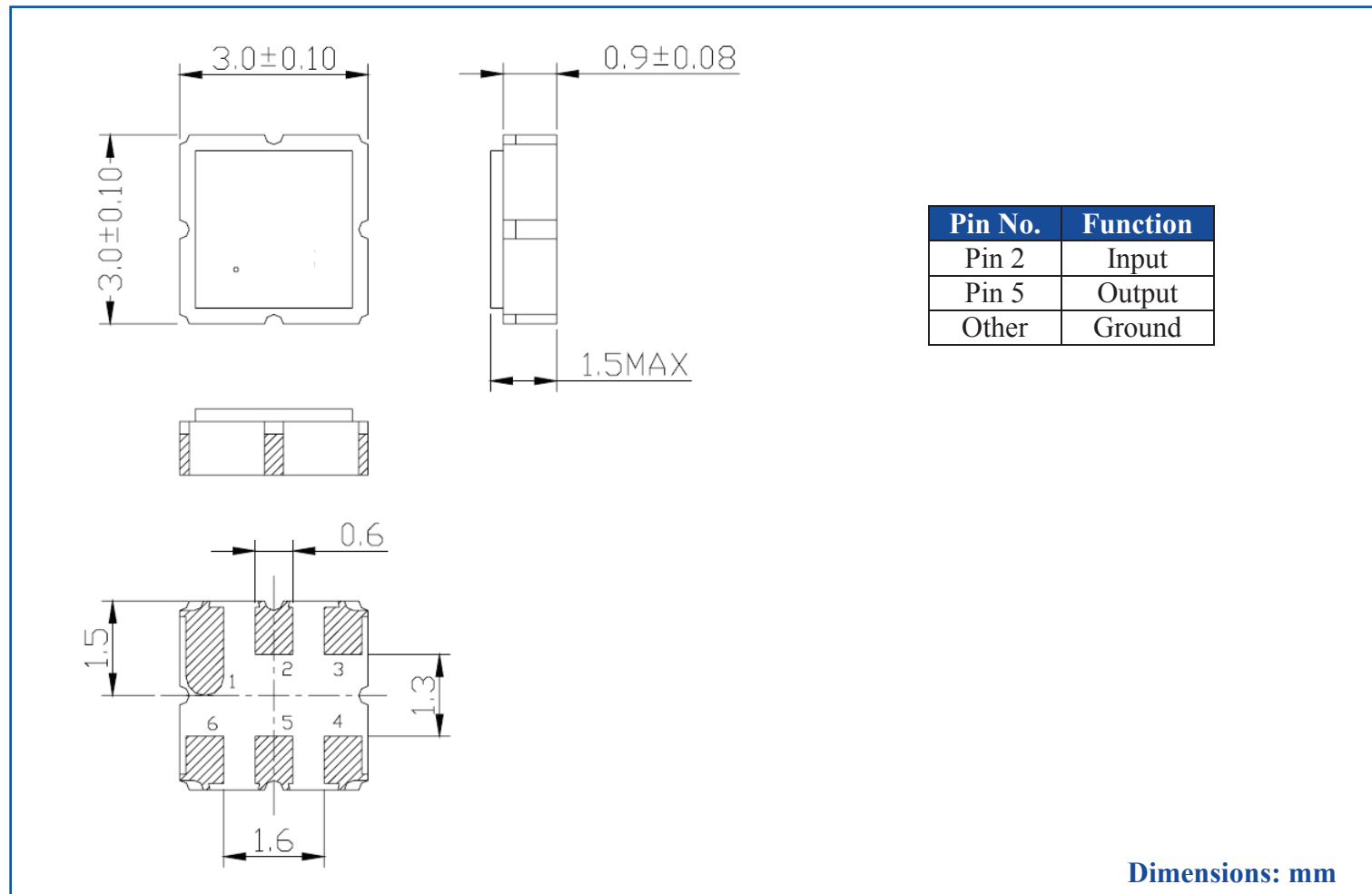


3.0 x 3.0 x 1.5 mm

## FREQUENCY CHARACTERISTICS:



## OUTLINE DIMENSIONS:



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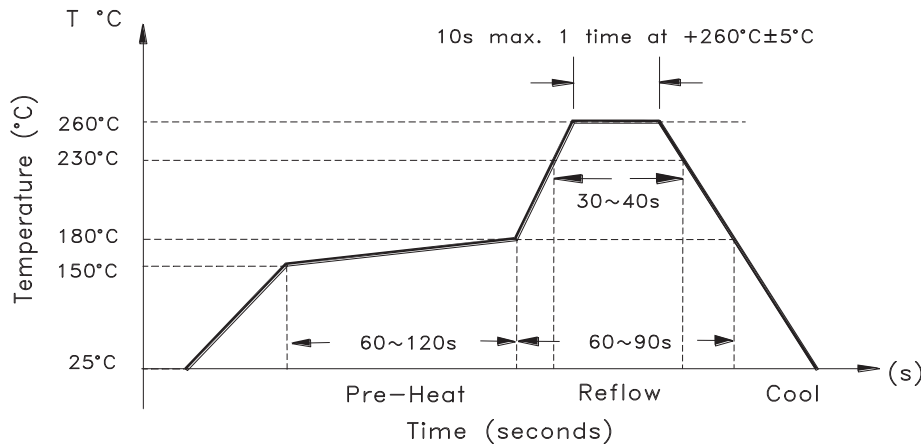


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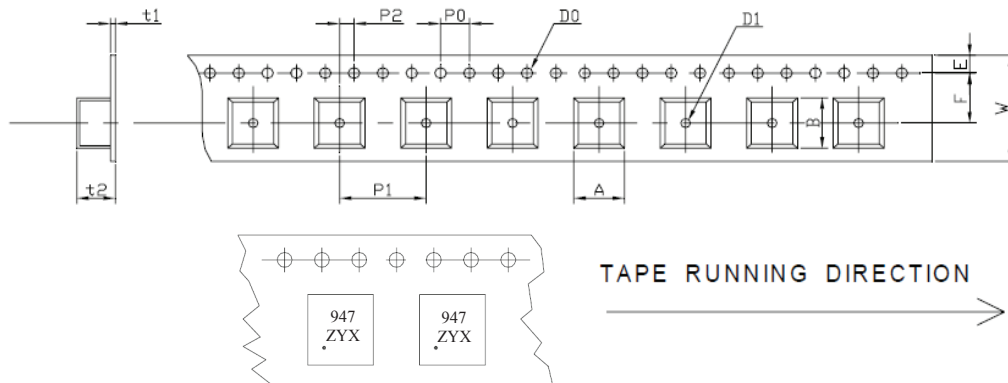
3.0 x 3.0 x 1.5 mm

## REFLOW PROFILE:

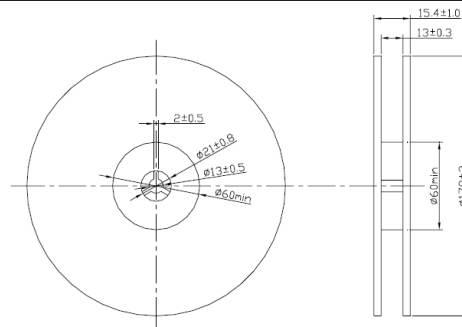


## TAPE & REEL:

Packaging: 3,000pcs/reel



W	F	E	P0	P1	P2
12.0±0.3	5.5±0.1	1.75±0.1	4.0±0.2	4.0±0.1	2.0±0.2
D0	D1	t1	t2	A	B
Ø1.5±0.1	Ø1.5±0.25	0.31 max.	1.7 max.	3.3 max.	3.3 max.



Dimensions: mm

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