

# SMD 915MHz SAW Filter

AFS915S3

Moisture Sensitivity Level (MSL) : 1



RoHS  
Compliant



3.8 x 3.8 x 1.35 mm

## FEATURES:

- Small package size
- Low insertion loss
- High attenuation

## APPLICATIONS:

- Mobil communication
- Remote Control

## ELECTRICAL SPECIFICATIONS:

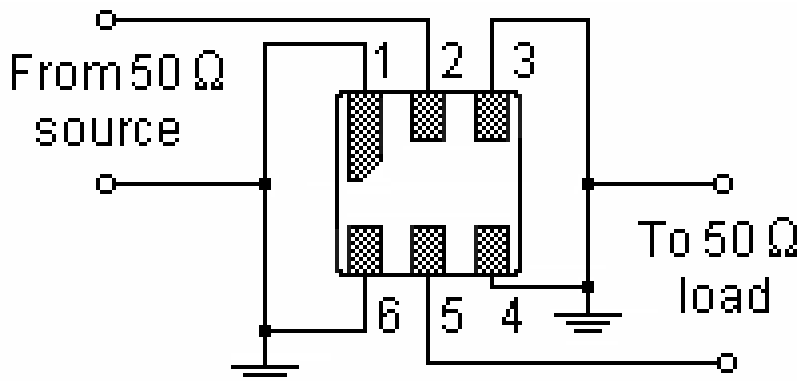
### Maximum Ratings

Item	Value
Operating Temperature Range	-10°C to +65°C
Storage Temperature Range	-40°C to +85°C
DC Voltage	12V
Input Power Level	10dBm

### Electrical Characteristics

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency ( $f_c$ )		915		MHz	
Usable Pass Band (BW)		26		MHz	
Insertion Loss (IL) (902MHz ~ 928MHz)		3.0	4.5	dB	
Ripple (902MHz ~ 928MHz)		1.5		dB	
Absolute Attenuation	DC ~ 800MHz	25	27	dB	
	800MHz ~ 880MHz	30	35		
	950MHz ~ 1080MHz	30	40		
	1080MHz ~ 2000MHz	20	25		
Input/Output Impedance (Nominal)		50		$\Omega$	

## TEST CIRCUIT:



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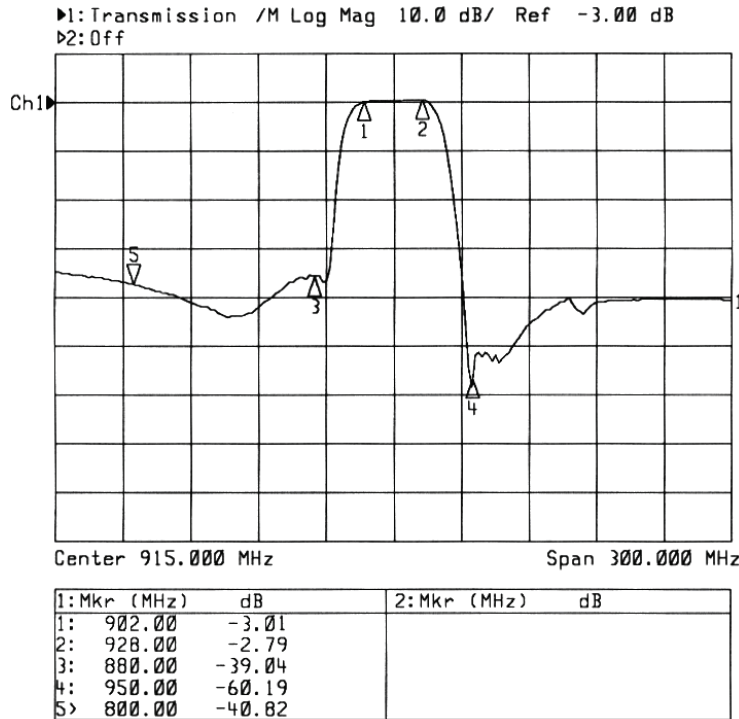


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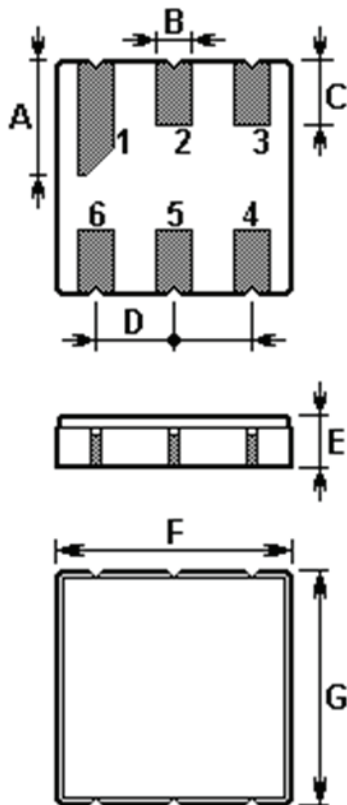


3.8 x 3.8 x 1.35 mm

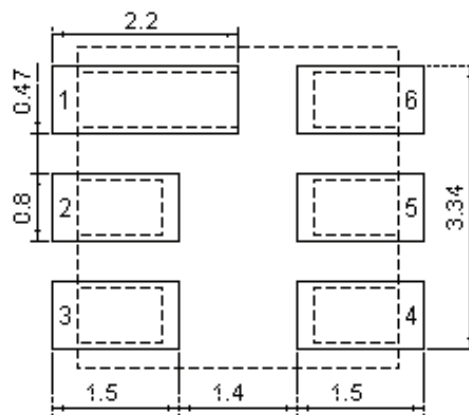
## FREQUENCY CHARACTERISTICS



## OUTLINE DIMENSION:



### Recommended PCB Layout



Pin	Configuration
2	Input
5	Output
1,3,4,6	Ground

Unit: mm

Dimension	Value
A	1.90±0.10
B	0.64±0.10 (x6)
C	1.00±0.10 (x5)
D	1.27±0.10 (x4)
E	1.35±0.15
F	3.80±0.15
G	3.80±0.15

Dimensions: mm

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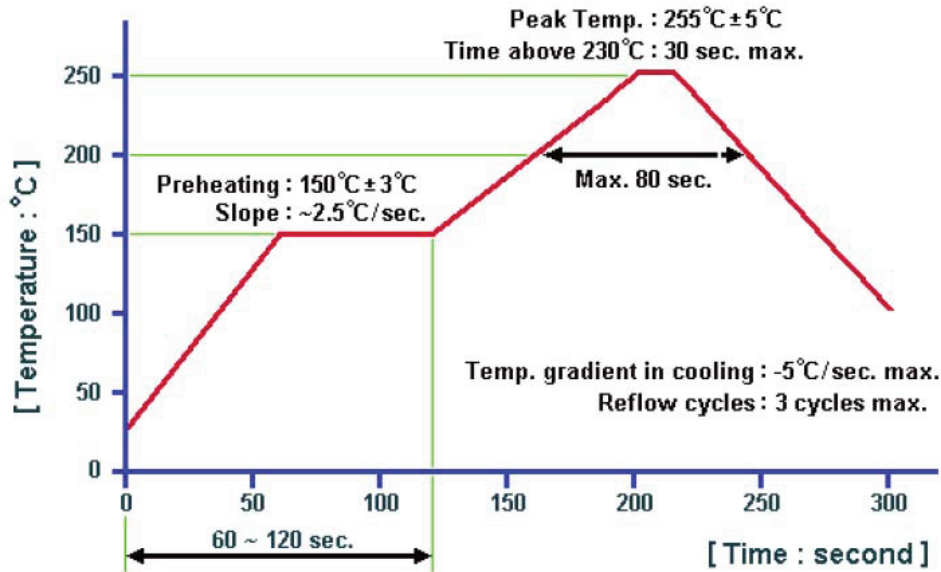


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3.8 x 3.8 x 1.35 mm

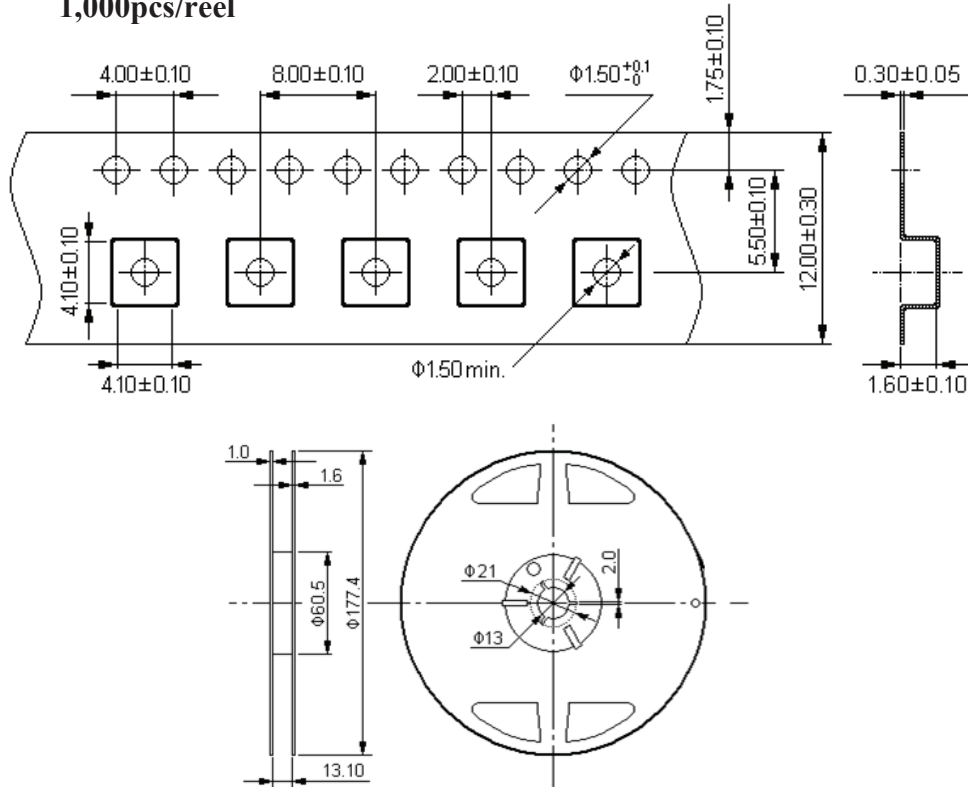
## REFLOW PROFILE:



## TAPE & REEL:

Packaging:

1,000pcs/reel



Dimensions: mm

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