

SMD 915.0MHz SAW FILTER

AFS915.0W03-TS3



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 3.3dB
- Input/output 50ohm terminated
- Low amplitude ripple 1.5dB

APPLICATIONS:

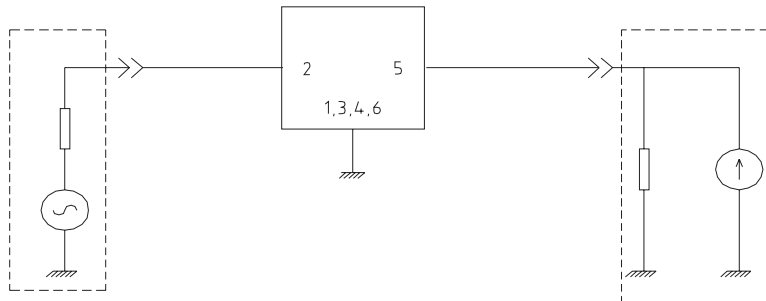
- CDMA450
- RF SAW filter for Telecommunication
- PDA
- Remote controller

STANDARD SPECIFICATIONS:

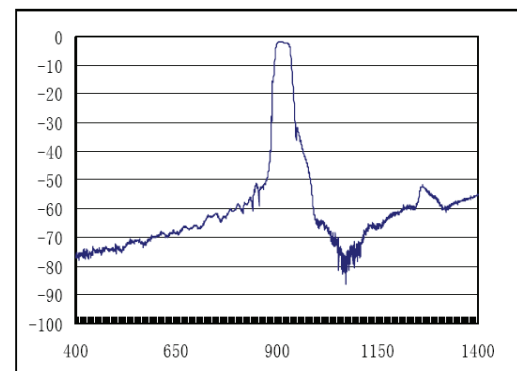
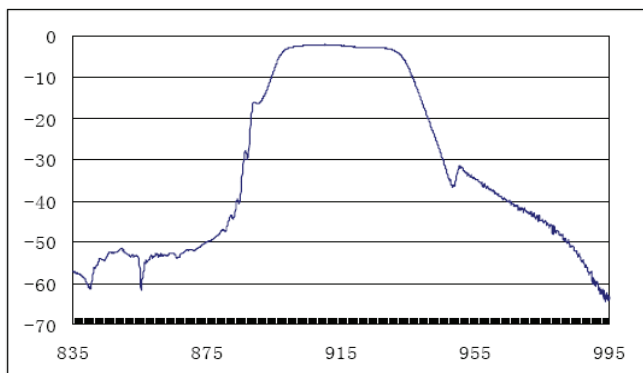
ABRACON P/N: **AFS915.0W03-TS3**
Operating temperature: **0°C to +70°C**
Storage temperature: **-40°C to +85°C**
DC Permissive Voltage : **10 Vdc max.**
Maximum Input Power : **10 dBm**

Item	Frequency	Specification
Center Frequency (f_0)	915.0 MHz	
Passband Width	± 13.0 MHz	
Insertion Loss	902~928	3.3 dB max.
Amplitude Ripple	902~928	1.5 dB max.
Relative Attenuation	10.0~700.0	50 dB min.
	700.0~845.0	45 dB min.
	845.0~880.0	35 dB min.
	947.0~992.0	15 dB min.
	992.0~1020.0	35 dB min.
	1020.0~1200.0	45 dB min.
Temperature Coefficient of Frequency		-30ppm/k
Terminating Impedance		50 Ω /0nF.

TEST CIRCUIT:



FREQUENCY CHARACTERISTICS



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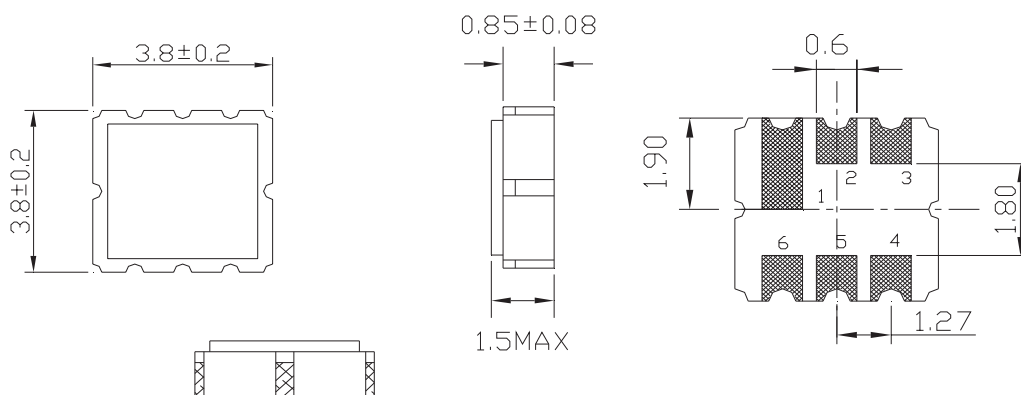


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3.8 x 3.8 x 1.5mm

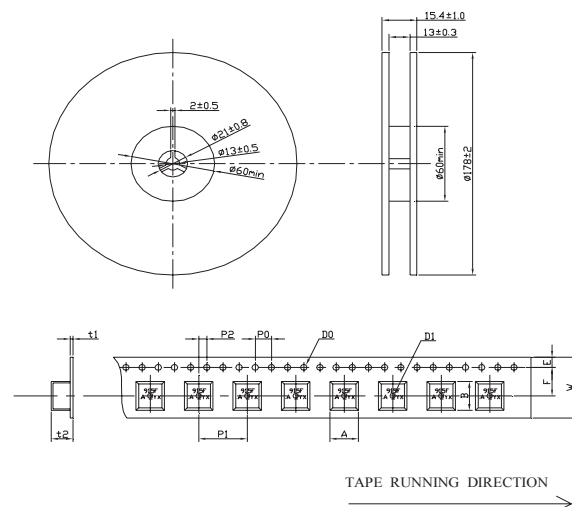
OUTLINE DIMENSIONS:



pin	Function
2	Input
5	Output
Other	Ground

Dimension : mm

TAPE & REEL: T= tape and reel (1,000pcs/reel)



W	F	E	P0	P1	P2
12	5.5	1.75	4	8	2
± 0.1	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1
D0	D1	t1	t2	A	B
$\Phi 1.5$	$\Phi 1.5$	0.31	1.9	4.1	4.1
± 0.1	± 0.25	max.	max.	max.	max.

REEL DIMENSION

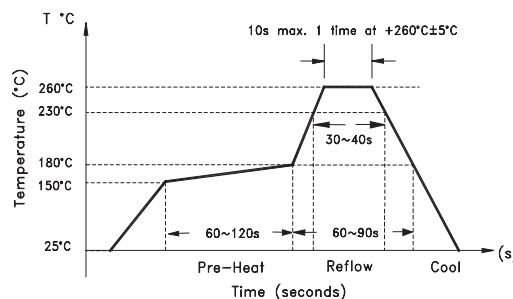
Tensile Strength of carrier tape: 4.4N/mm width.

Top Cover Tape Adhesion

- 1) pull angle: 0~15°
- 2) speed: 300mm/min.
- 3) force 20~70g

Dimension : mm

REFLOW PROFILE:



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