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:

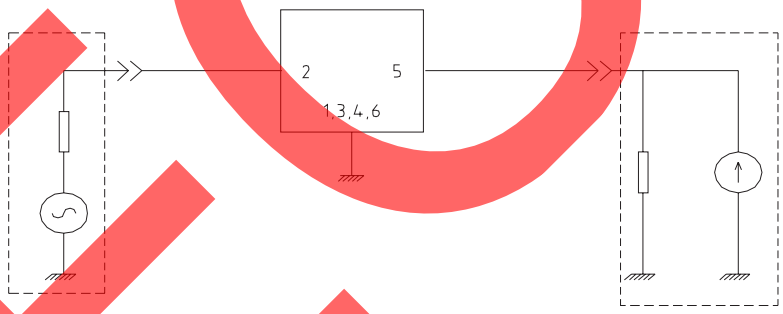
- CDMA450
- RF SAW filter for Telecommunication
- PDA
- Remote controller

STANDARD SPECIFICATIONS:

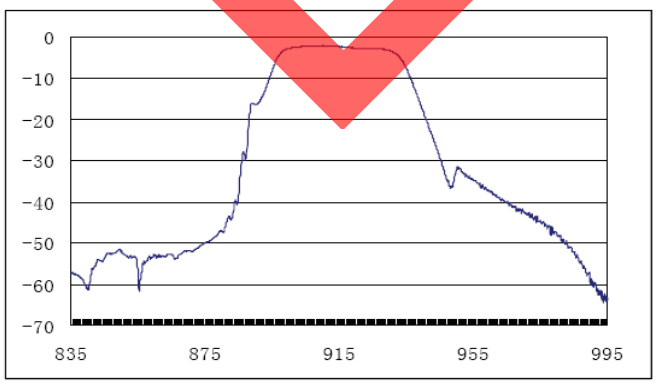
ABRACON P/N:	**AFS915.0W03-TS3**
Operating temperature:	**0°C to +70°C**
Storage temperature:	**-40°C to +85°C**
DC Permissive Voltage :	**10 Vdc max.**
Maximum Input Power :	**10 dBm**

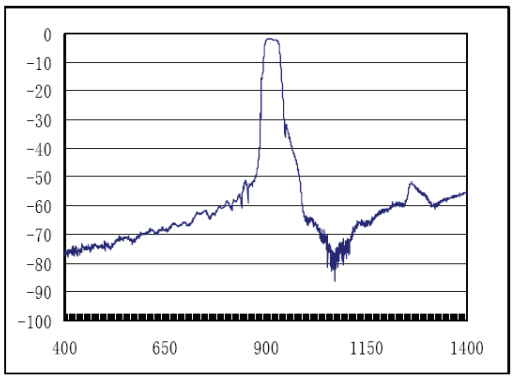
Item	Frequency	Specification
Center Frequency (f_0)	915.0 MHz	
Passband Width	± 13.0 MHz	
Insertion Loss	902~928	3.3 dB max.
Amplitude Ripple	902~928	1.5 dB max.
Relative Attenuation	10.0~700.0	50 dB min.
	700.0~845.0	45 dB min.
	845.0~880.0	35 dB min.
	947.0~992.0	15 dB min.
	992.0~1020.0	35 dB min.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

TEST CIRCUIT:



FREQUENCY CHARACTERISTICS





OBSOLETE

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

SMD 915.0MHz SAW FILTER

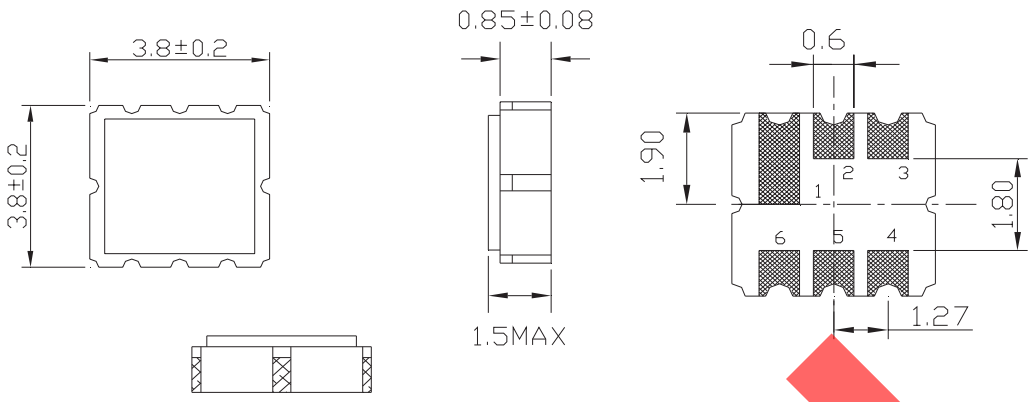
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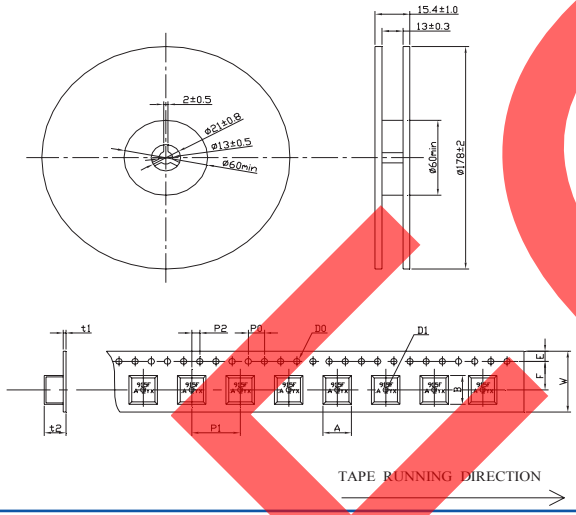
OUTLINE DIMENSIONS:



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 ± 0.1	5.5 ± 0.1	1.75 ± 0.1	4 ± 0.1	8 ± 0.1	2 ± 0.1
D0	D1	t1	t2	A	B
Φ 1.5 ± 0.1	Φ 1.5 ± 0.25	0.31 max.	1.9 max.	4.1 max.	4.1 max.

REEL DIMENSION

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

Top Cover Tape Adhesion

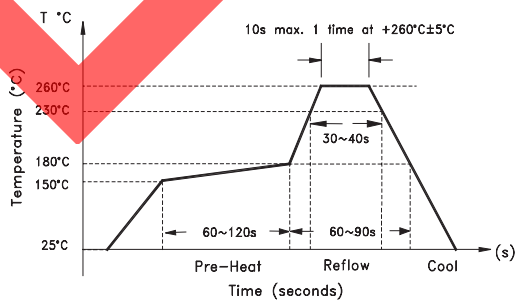
1) pull angle: 0~15°

2) speed: 300mm/min.

3) force 20~70g

Dimension : mm

REFLOW PROFILE:



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