

SMD 915.00 MHz SAW FILTER

AFS915.0W03-TS4



RoHS
Compliant



3 x 3 x 1.5mm

FEATURES:

- Low loss
- 3.0 x 3.0 x 1.5mm package
- Wide band
- High input power

APPLICATIONS:

- RF filter for telecommunications
- Wireless audio
- ISM-band application

STANDARD SPECIFICATIONS:

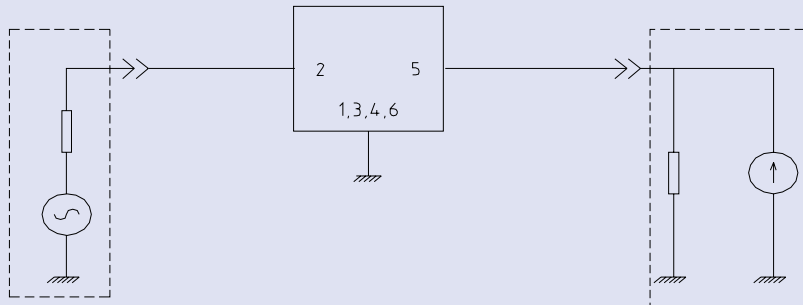
MAXIMUM RATINGS

Item	Value
Operation Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	10V DC max.
Maximum Input Power	10 dBm

ELECTRICAL CHARACTERISTICS

Item	Unit	Min.	Typ.	Max.
Center Frequency (fc)	MHz		915.0	
Passband	MHz		±13.0	
Insertion Loss (Passband)	dB			3.3
Amplitude Ripple (Passband)	dB			1.5
Stopband Attenuation				
10 ~ 800 MHz	dB	50		
800 ~ 845 MHz	dB	45		
845 ~ 880 MHz		35		
947 ~ 992 MHz		15		
992 ~ 1020 MHz		35		
1020 ~ 1200 MHz		45		
Temperature Coefficient of Freq.	ppm/k		-30.0	
Terminating Impedance	Ω/nF		50 / 0	

TEST CIRCUIT



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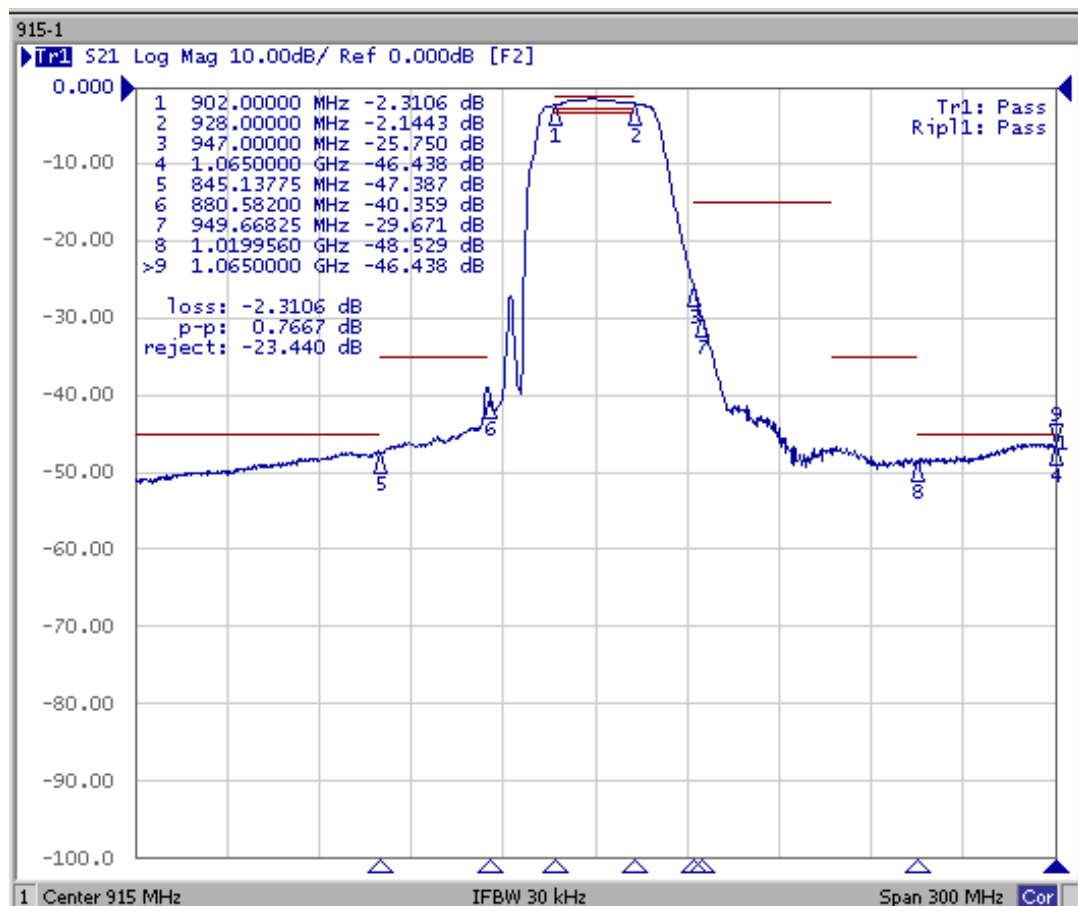


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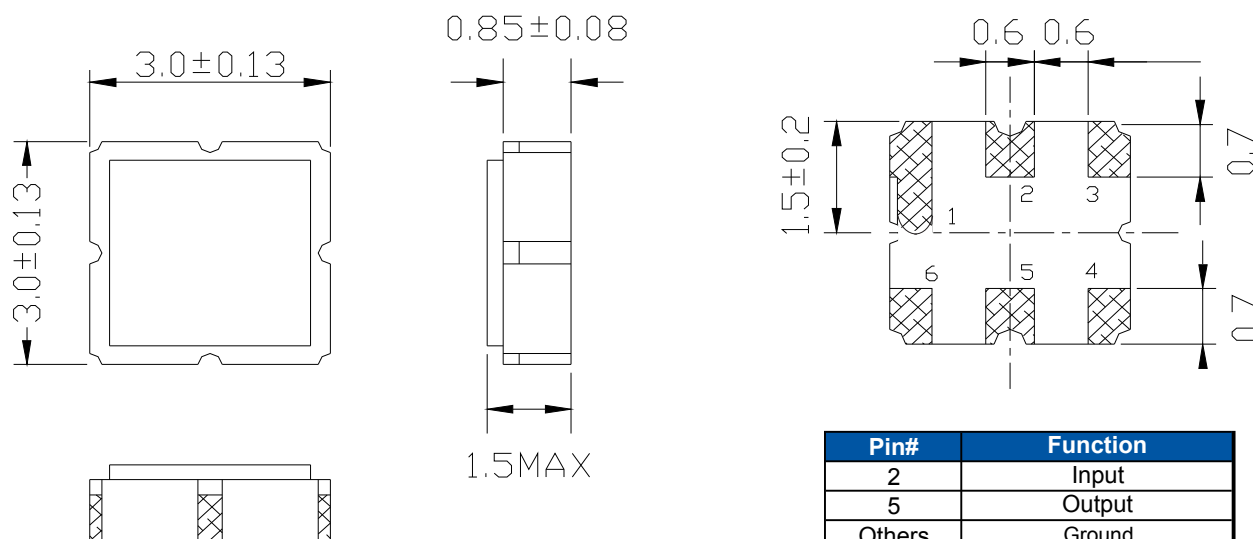


3 x 3 x 1.5mm

FREQUENCY CHARACTERISTICS



OUTLINE DIMENSIONS:



Dimension : mm

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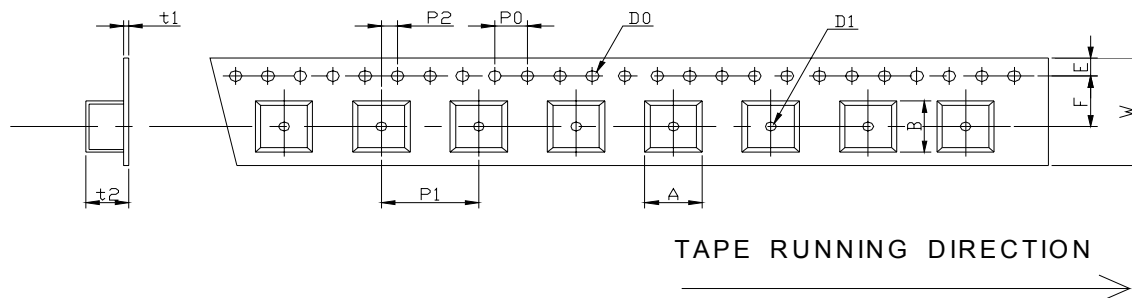


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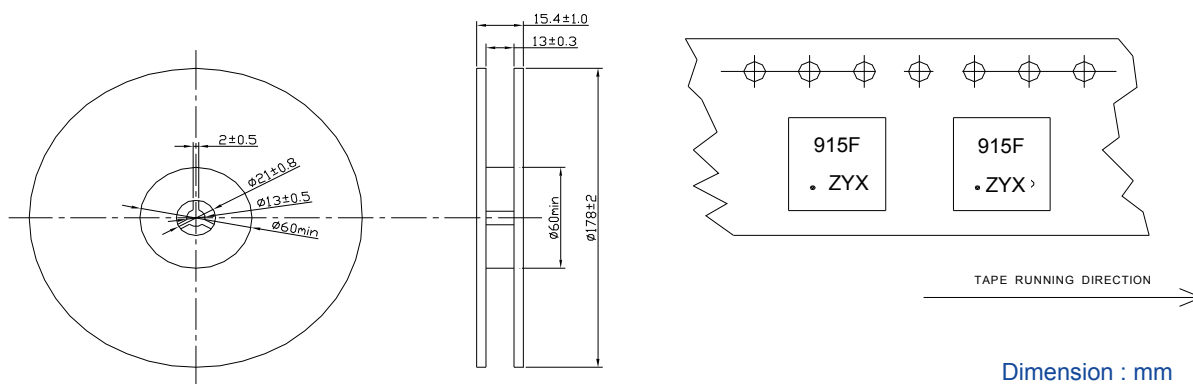


3 x 3 x 1.5mm

TAPE AND REEL:

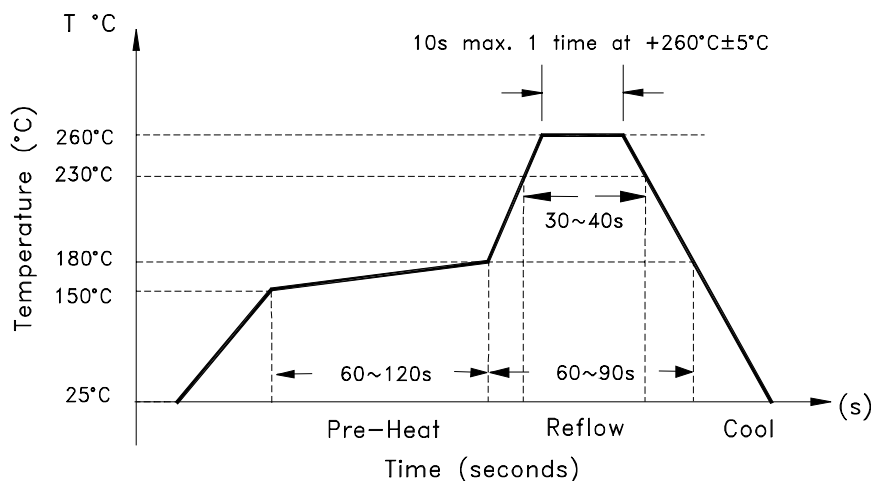


W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	4.0	2.0	$\Phi 1.5$	$\Phi 1.5$	0.31	1.70	3.3	3.3
± 0.3	± 0.1	± 0.1	± 0.2	± 0.1	± 0.2	± 0.1	± 0.25	max.	max.	max.	max.



Dimension : mm

REFLOW PROFILE:



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.

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