

SMD 869.0MHz SAW Filter

AFS869.0W01-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 4.5dB
- Input/output 50ohm terminated

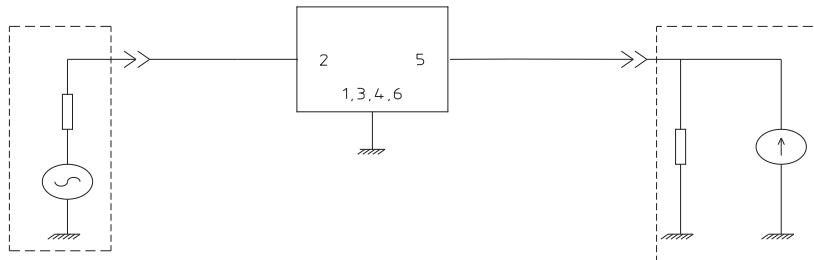
APPLICATIONS:

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

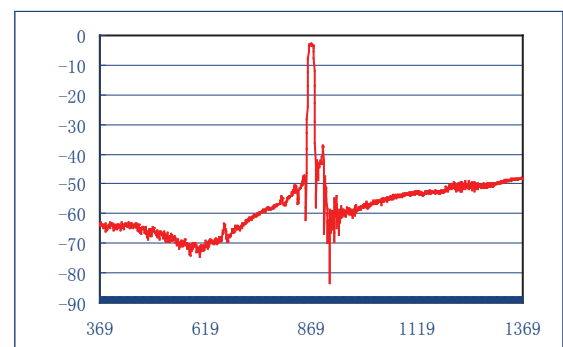
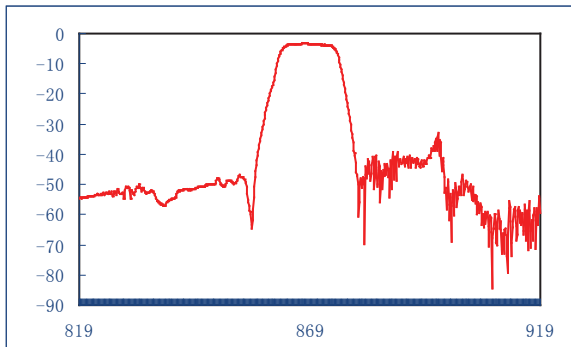
STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f_0)	869.0			MHz	
3dB band Width	-----	8	-----	MHz	
Insertion Loss	-----	-----	4.5	dB	868.0~870.0MHz
Amplitude Ripple	-----	-----	1.5	dB	868.0~870.0MHz
Relative Attenuation	40	-----	-----	dB	825.0~828.0MHz
	35	-----	-----	dB	846.0~849.0MHz
	35	-----	-----	dB	889.0~892.0MHz
	40	-----	-----	dB	910.0~913.0MHz
Input Impedance	50			Ω	
Output Impedance	50			Ω	
Operation Temperature Range	-30	-----	+80	$^{\circ}\text{C}$	
Storage Temperature Range	-40	-----	+85	$^{\circ}\text{C}$	
DC Permissive Voltage	-----	-----	10	Vdc	
Maximum Input Power	-----	-----	0	dBm	

TEST CIRCUIT:



FREQUENCY CHARACTERISTICS



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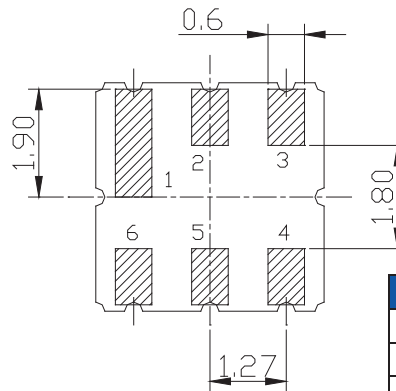
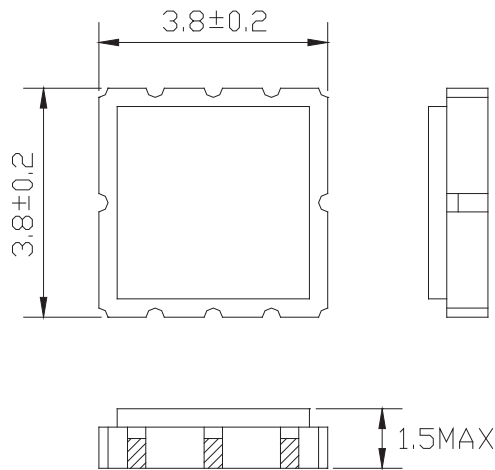


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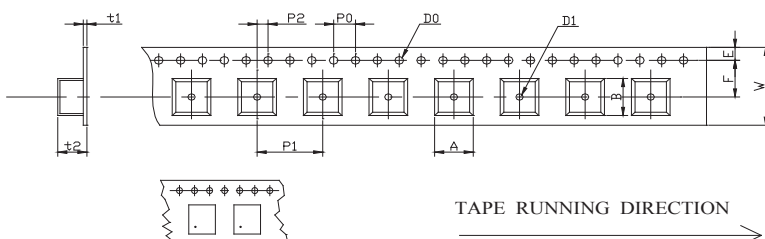
OUTLINE DIMENSIONS:



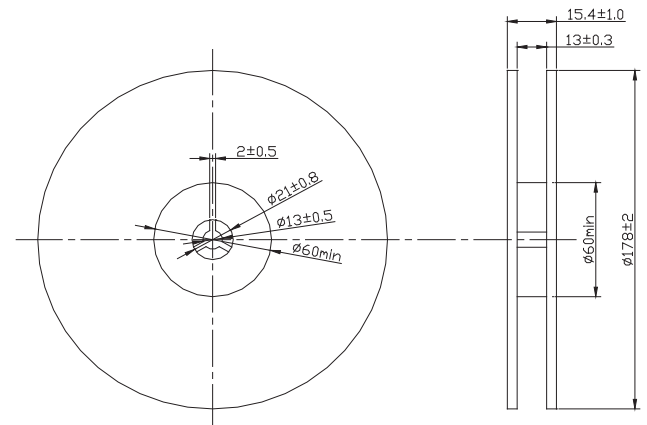
Pin #	Function
2	Signal
5	Signal
Others	Ground

Dimension : mm

TAPE & REEL: 1000pcs/reel

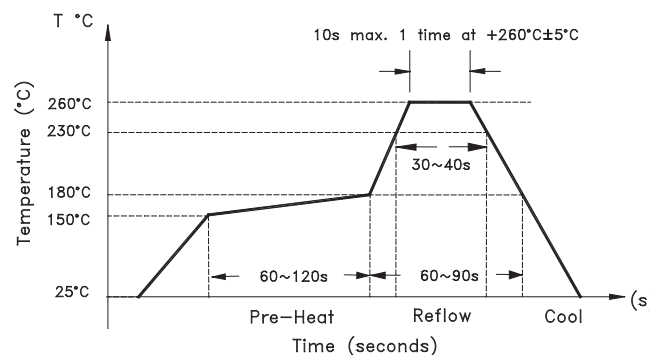


W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	8.0	2.0	Φ 1.5	Φ 1.5	0.31	1.95	4.1	4.1
± 0.3	± 0.1	± 0.1	± 0.2	± 0.1	± 0.2	± 0.1	± 0.25	max.	max.	max.	max.



Dimensions: mm

REFLOW PROFILE:



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