

LOW LOSS SMD RF SAW FILTER

AFS942.5W03-TS4



RoHS
Compliant



3.0 x 3.0 x 1.5mm

FEATURES:

- 3.0 x 3.0 x 1.5mm SMD package
- Low pass band insertion loss
- Low band pass ripple 1.4dB max
- High input power
- Excellent attenuation

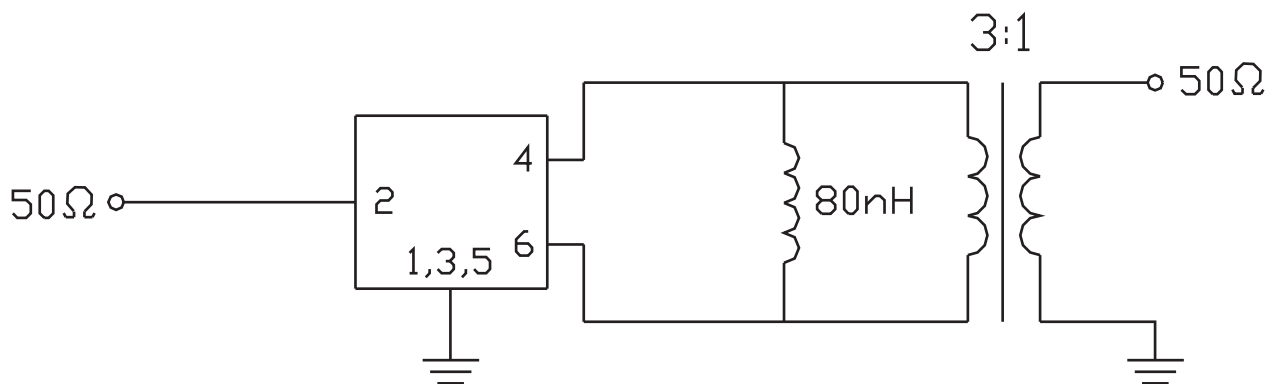
APPLICATIONS:

- GSM
- PDA

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f_0)	942.5			MHz	
Passband Width	-----	35	-----	MHz	
Insertion Loss	-----	-----	3.8	dB	925~960MHz
Ripple	-----	-----	1.4	dB	925~960MHz
Stopband Attenuation	50	-----	-----	dB	DC ~ 880MHz
	28	-----	-----	dB	880 ~ 905MHz
	18	-----	-----	dB	905 ~ 915MHz
	20	-----	-----	dB	980 ~ 1050MHz
	50	-----	-----	dB	1050 ~ 1500MHz
	45	-----	-----	dB	1500 ~ 2130MHz
	40	-----	-----	dB	2130 ~ 3000MHz
Input Impedance	50			Ω	Unbalanced
Output Impedance	150//80			Ω //nH	Balanced
Operation Temperature Range	-10	-----	+75	$^{\circ}\text{C}$	
Storage Temperature Range	-40	-----	+85	$^{\circ}\text{C}$	
DC Permissive Voltage	-----	-----	5	Vdc	
Maximum Input Power	-----	-----	+18	dBm	

TEST CIRCUIT:



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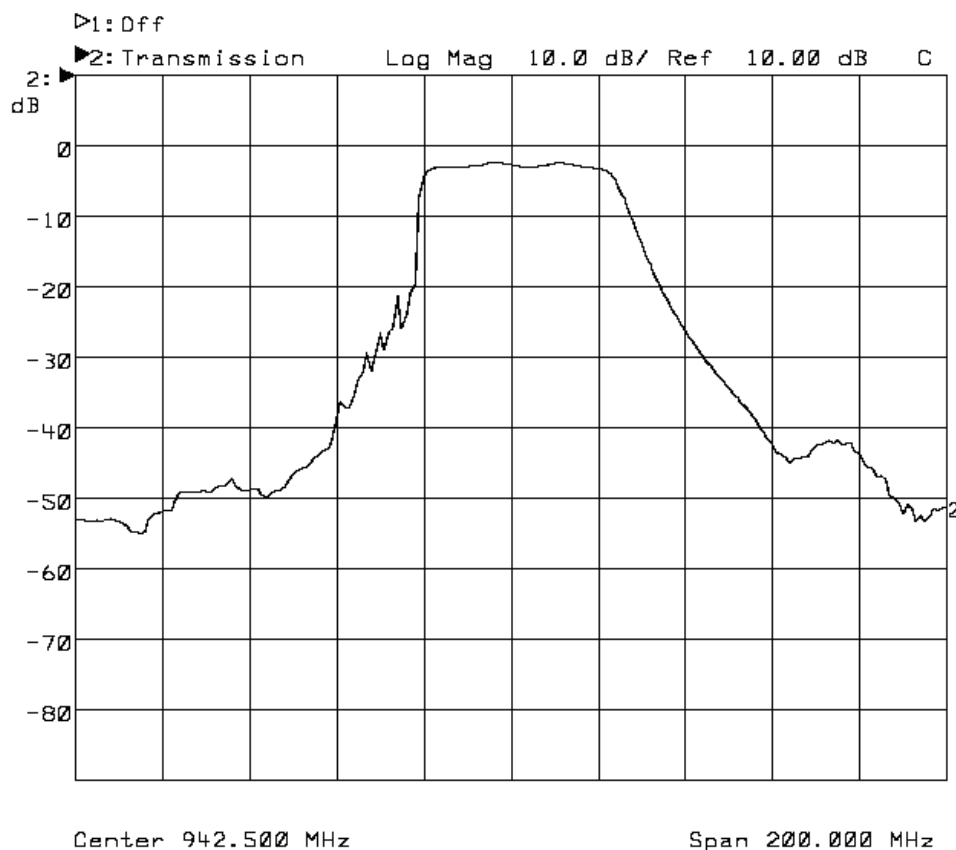


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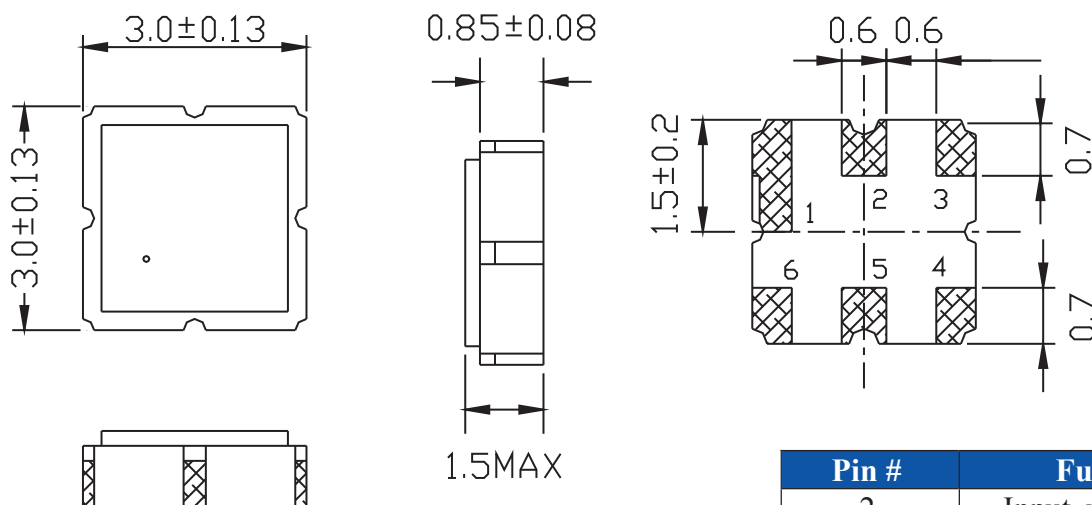


3.0 x 3.0 x 1.5mm

FREQUENCY CHARACTERISTICS:



OUTLINE DIMENSIONS:



Dimensions: mm

Pin #	Function
2	Input, unbalanced
4,6	Output, balanced
Others	Case Ground

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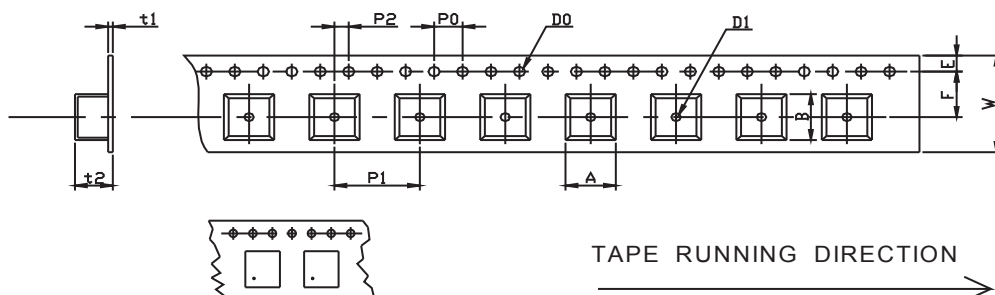


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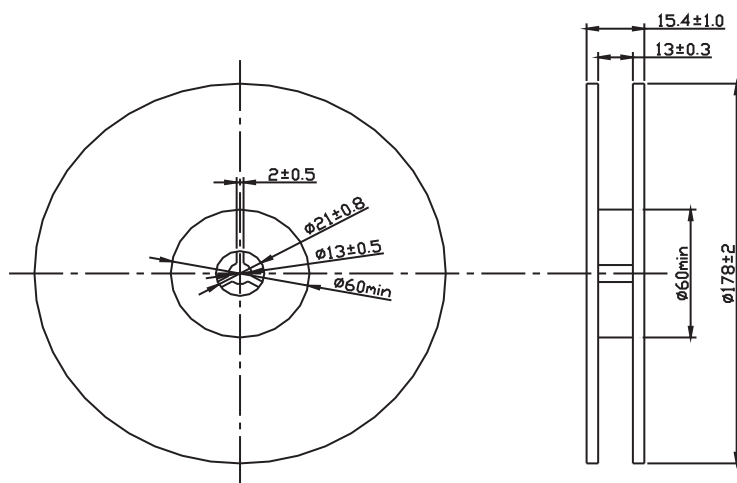


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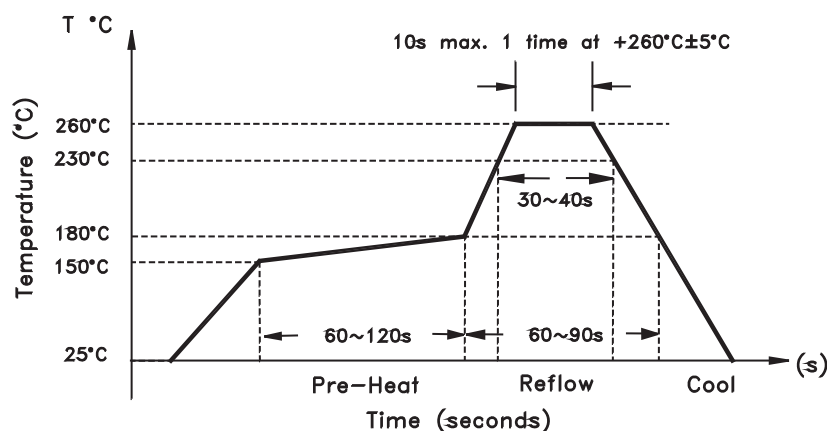
TAPE & REEL: 3000pcs/reel



W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	4.0	2.0	Φ 1.5	Φ 1.5	0.31	1.95	3.3	3.3
± 0.3	± 0.1	± 0.1	± 0.2	± 0.1	± 0.2	± 0.1	± 0.25	max.	max.	max.	max.



REFLOW PROFILE:



Need a test socket for the AFS942.5W03-TS4 series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, click here. P/N: [AXS-3030-06-03](#).

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