

147.0MHz SAW Filter

AFS147.0W01-TE



RoHS
Compliant



5.0 x 5.0 x 1.7mm

FEATURES:

- Low insertion loss, 6.5dB
- Amplitude ripple, 2.1dB
- Suitable for RoHS compliant reflow

APPLICATIONS:

- Pager
- FRS filter

STANDARD SPECIFICATIONS:

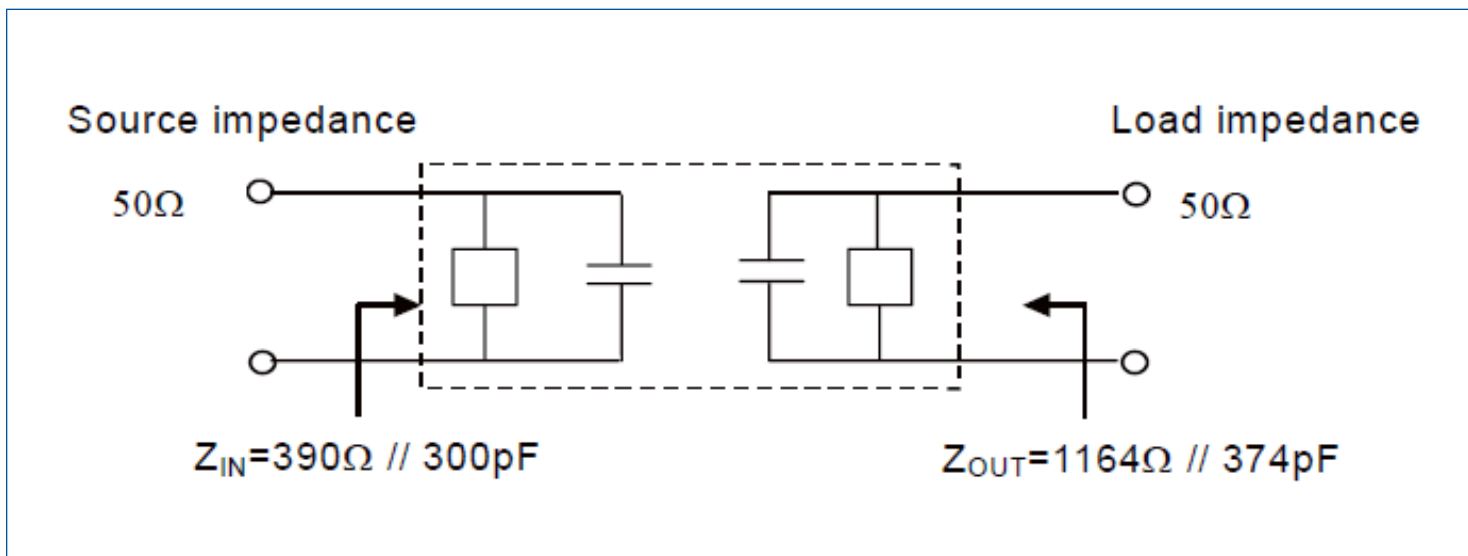
Maximum Ratings

Item	Value
Operating Temperature Range	-10°C to + 50°C
Storage Temperature Range	-40°C to + 85°C
DC Voltage	10V
Maximum Input Power	0 dBm

Electrical Characteristics

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f_c)	-----	147	-----	MHz	
Insertion Loss (IL)	-----	-----	6.5	dB	143 ~ 151MHz
Amplitude Ripple (A.R.)	-----	-----	2.1	dB	143 ~ 151MHz
Attenuation: (Reference level from 0dB)	50	-----	-----	dB	47 ~ 108.2MHz
	42	-----	-----		185.8 ~ 247MHz
Input Impedance (Please see note)	-----	390Ω//300pF	-----		147MHz
Output Impedance (Please see note)	-----	1164Ω//374pF	-----		147MHz

NOTES:



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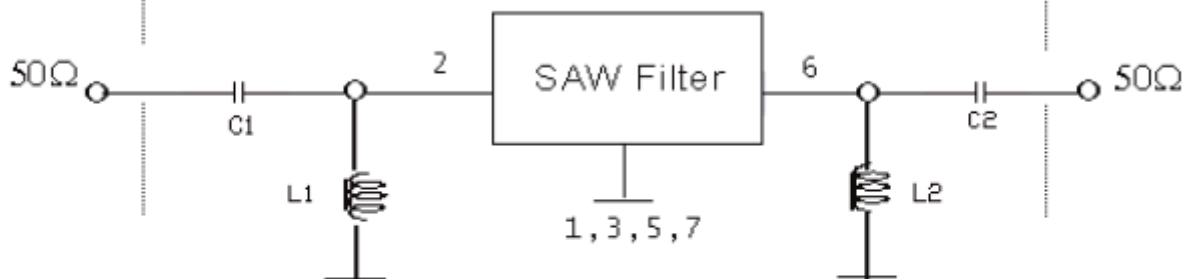
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TEST CIRCUIT

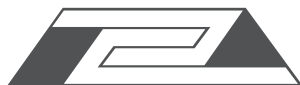
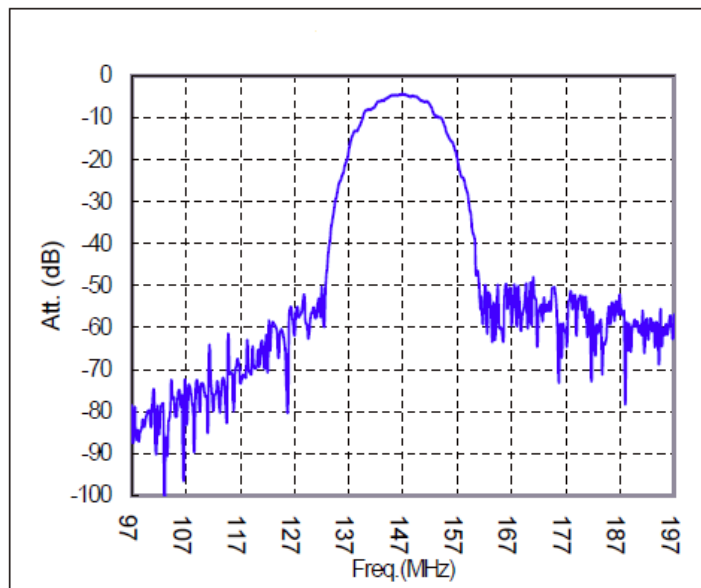
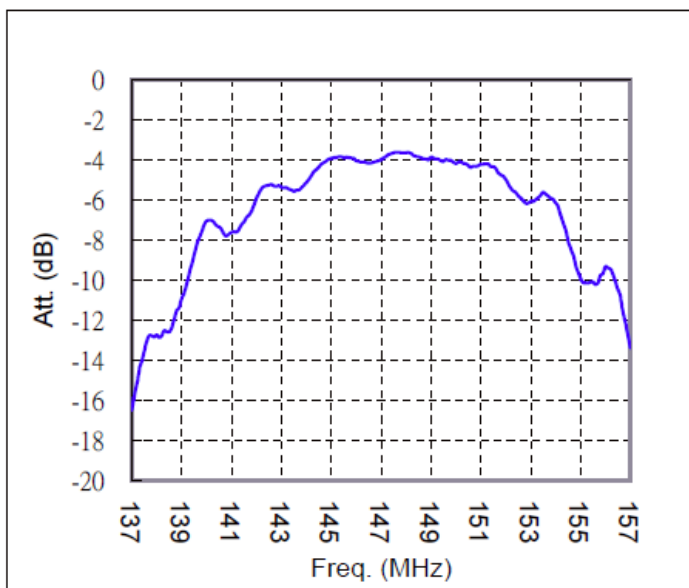
Network analyzer



C1 = 8 pF L1 = 56 nH

C2 = 12 pF L2 = 47 nH

FREQUENCY CHARACTERISTIC



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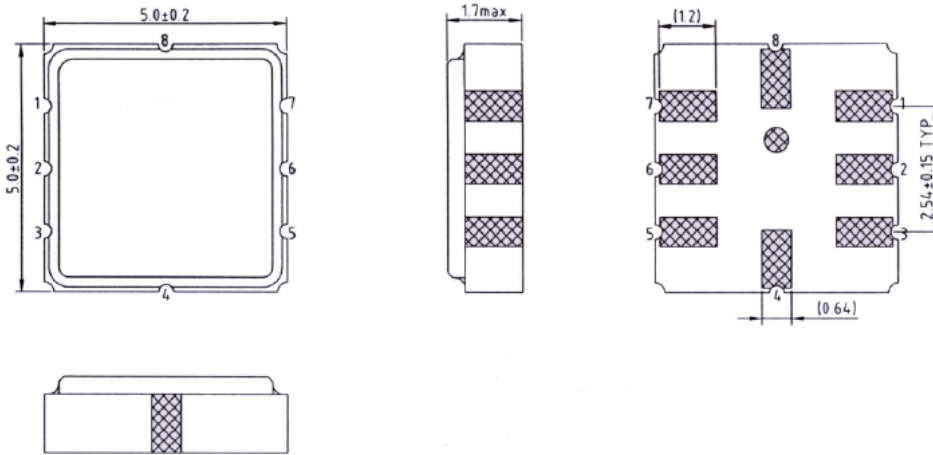


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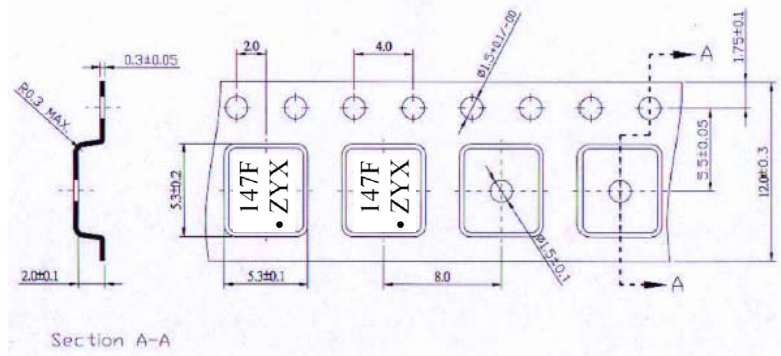
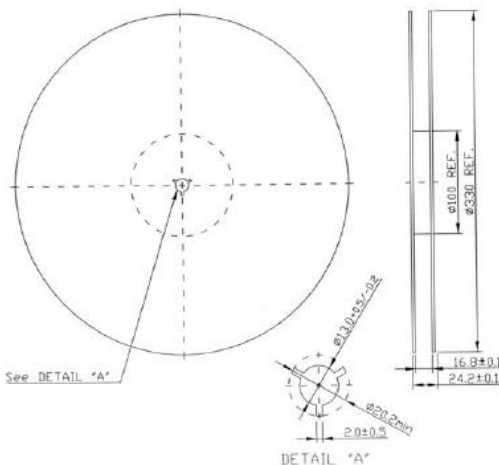
OUTLINE DRAWING:



#2: Input
#6: Output
#1, 3, 5, 7: Ground

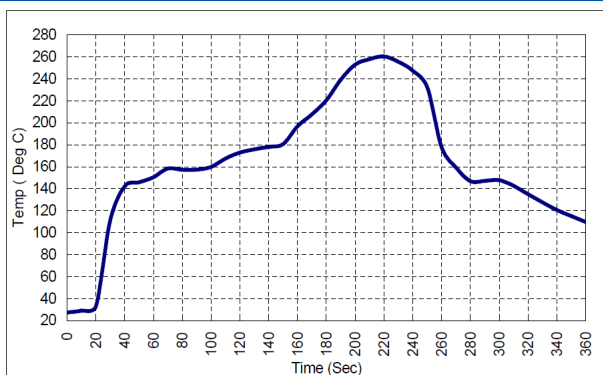
Dimensions: mm

PACKAGING: 3000pcs/reel



Dimensions: mm

REFLOW PROFILE



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ABRACON IS
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