SMD 315.0MHz SAW Filter

AFS315E

Moisture Sensitivity Level (MSL) = 1





FEATURES:

- Low Insertion Loss 3.0dB typical
- Compact SMD package 5.0 x 5.0 x 1.35mm
- Suitable for RoHS compliant relfow

► APPLICATIONS:

- Wireless car alarm, Garage door opener, RKE
- Mobile Communications systems
- Remote controller
- RF reciever

STANDARD SPECIFICATIONS:

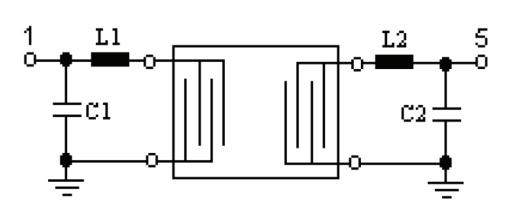
Maximum Ratings

Item	Value
Operating Temperature Range	-35°C to +85°C
Storage Temperature Range	-40°C to +85°C
DC Voltage	12V
Input Power Level	10dBm

Electrical Characteristics

	Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (F _c)			315.0		MHz	
Insertion Loss (IL)			3.0	5.5	dB	
3dB Bandwidth			600		kHz	
Rejection	Fc – 21.4MHz	40	50			
	Fc – 10.7MHz	15	30		dB	
	Ultimate		80			
Temperature	Turnover Temperature (T ₀)	24	39	54	°C	
	Turnover Frequency (F _o)		F_c		MHz	
	Frequency Temperature Coefficient (FTC)		0.032		ppm/°C	
Frequency Aging F _A			10		ppm/yr	

>TEST CIRCUIT



C1 = 13pF, L1 = 80nH, L2 = 80nH, C2 = 13pF



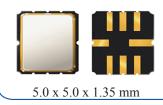


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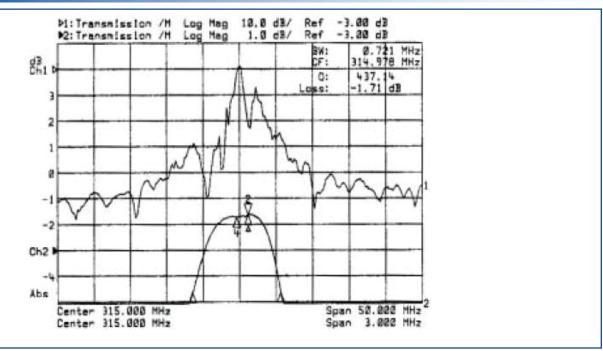
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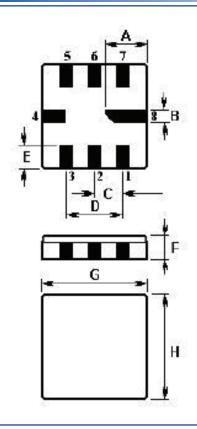




> FREQUENCY CHARACTERISTICS



OUTLINE DIMENSION:



Sign	Dimensions (mm)
A	2.08
В	0.60
С	1.27
D	2.54
Е	1.20
F	1.35
G	5.00
Н	5.00

PIN NO.	FUNCTION		
1	Input		
2	Input GND		
5	Output		
6	Output GND		
3, 7	GND		
4, 8	Case GND		



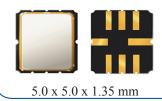


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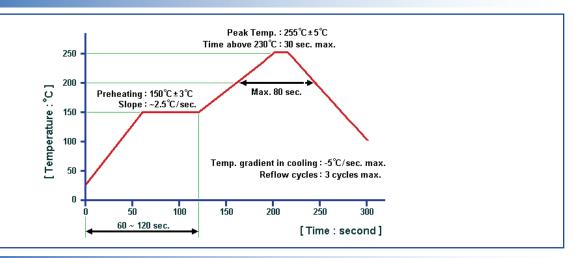
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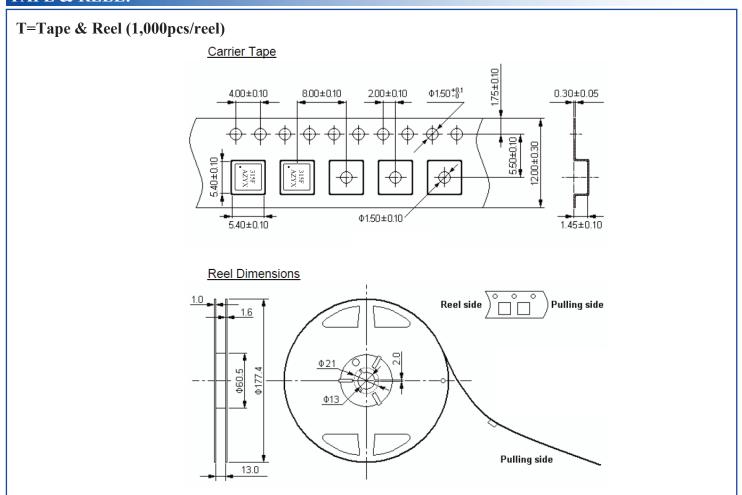




REFLOW PROFILE:



► TAPE & REEL:



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