



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SMD 915MHz SAW Filter

AFS915S3

Moisture Sensitivity Level (MSL) : 1



RoHS
Compliant



3.8 x 3.8 x 1.35 mm

FEATURES:

- Small package size
- Low insertion loss
- High attenuation

APPLICATIONS:

- Mobil communication
- Remote Control

ELECTRICAL SPECIFICATIONS:

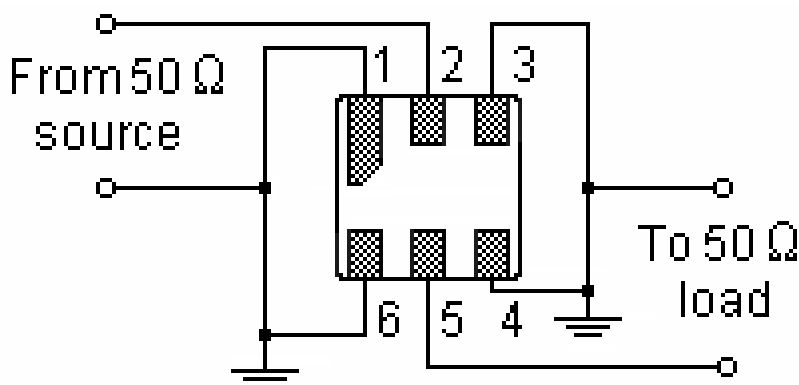
Maximum Ratings

Item	Value
Operating Temperature Range	-10°C to + 65°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)			915		MHz	
Usable Pass Band (BW)			26		MHz	
Insertion Loss (IL) (902MHz ~ 928MHz)			3.0	4.5	dB	
Ripple (902MHz ~ 928MHz)			1.5		dB	
Absolute Attenuation	DC ~ 800MHz	25	27		dB	
	800MHz ~ 880MHz	30	35			
	950MHz ~ 1080MHz	30	40			
	1080MHz ~ 2000MHz	20	25			
Input/Output Impedance (Nominal)		50			Ω	

TEST CIRCUIT:



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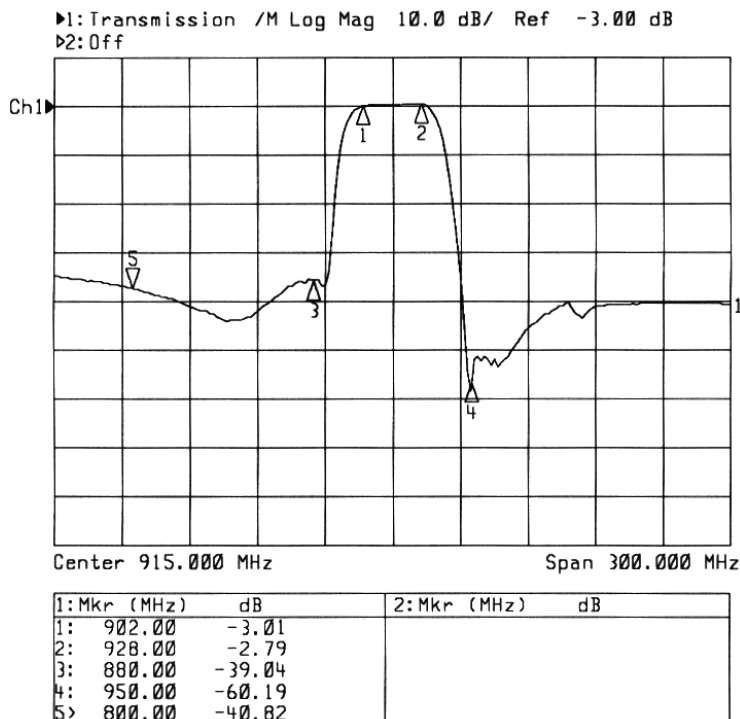


RoHS
Compliant

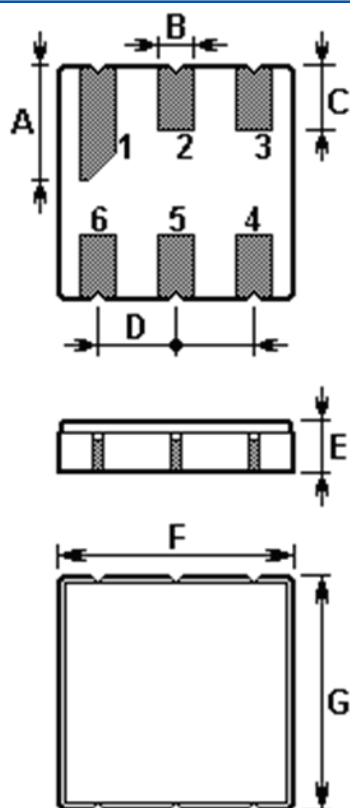


3.8 x 3.8 x 1.35 mm

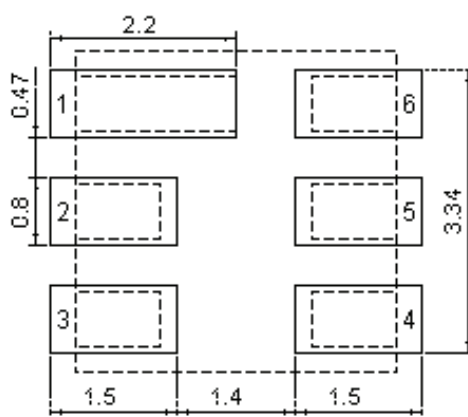
FREQUENCY CHARACTERISTICS



OUTLINE DIMENSION:



Recommended PCB Layout



Pin	Configuration
2	Input
5	Output
1,3,4,6	Ground

Unit: mm

A	1.90±0.10
B	0.64±0.10 (x6)
C	1.00±0.10 (x5)
D	1.27±0.10 (x4)
E	1.35±0.15
F	3.80±0.15
G	3.80±0.15

Dimensions: mm

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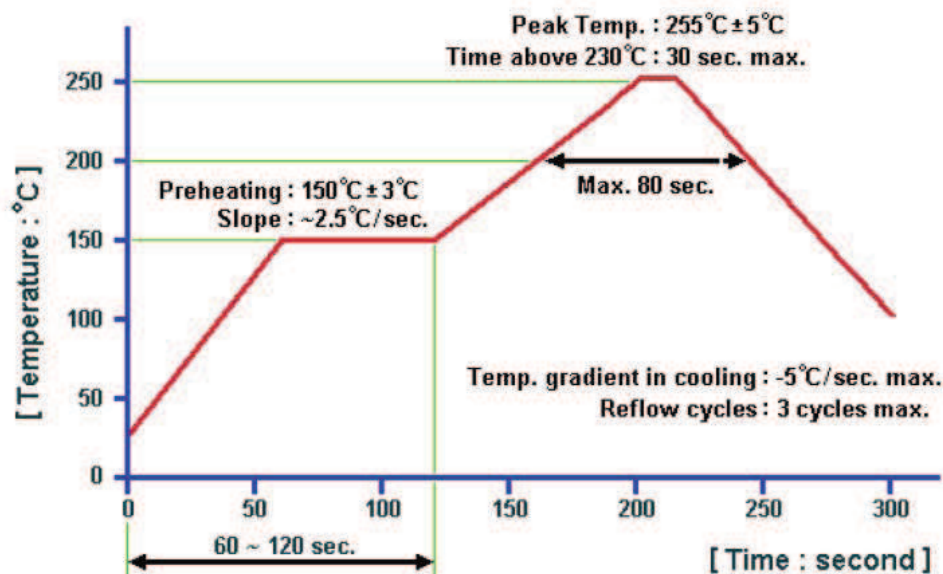


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3.8 x 3.8 x 1.35 mm

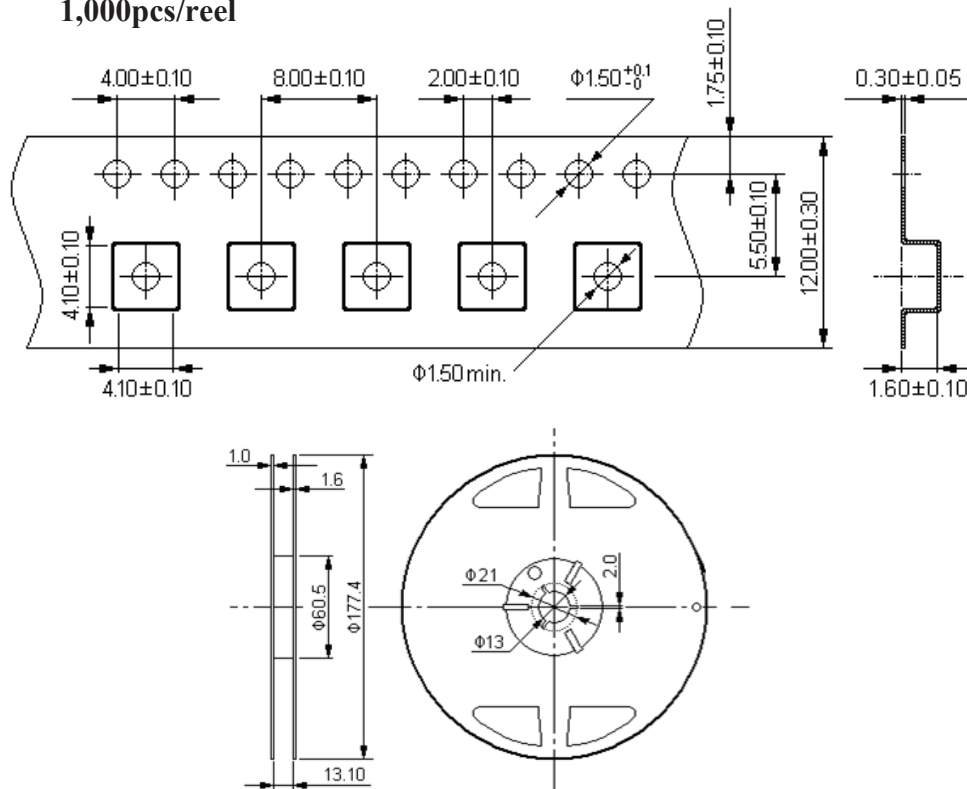
REFLOW PROFILE:



TAPE & REEL:

Packaging:

1,000pcs/reel



Dimensions: mm

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