



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!



Contact us

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869MHz SMD SAW FILTER

AFS869.0W01-TS4



RoHS
Compliant



3.0 x 3.0 x .85mm

FEATURES:

- Low loss
- 3.0 x 3.0 x 1.5mm package
- Wide band

APPLICATIONS:

- RF filter for telecommunications
- Wireless audio

STANDARD SPECIFICATIONS:

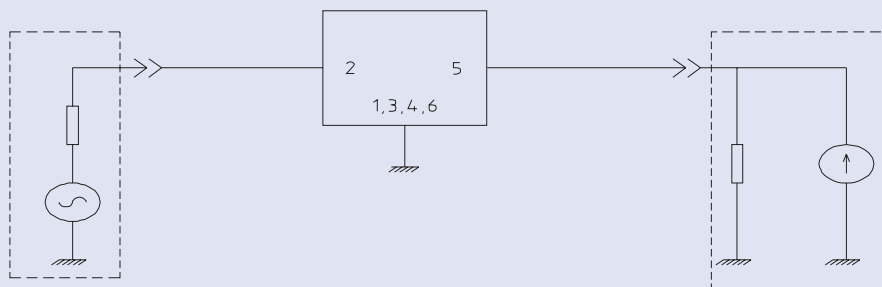
MAXIMUM RATINGS

Item	Value
Operation Temperature Range	-30°C to +80°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	10V DC max.
Maximum Input Power	0 dBm

ELECTRICAL CHARACTERISTICS

Item	Frequency (MHz)	Specification
Center Frequency (fo)	869.0	
3dB Band Width	8	
Insertion Loss	868.0 ~870.0	4.5 dB max.
Ripple	868.05 ~870.0	1.5 dB max
Relative Attenuation	825.0 ~ 828.0	40 dB min.
	846.0 ~ 849.0	35 dB min.
	889.0 ~ 892.0	35 dB min.
	910.0 ~ 913.0	40 dB min.
Input Impedance		50Ω
Output Impedance		50Ω

TEST CIRCUIT



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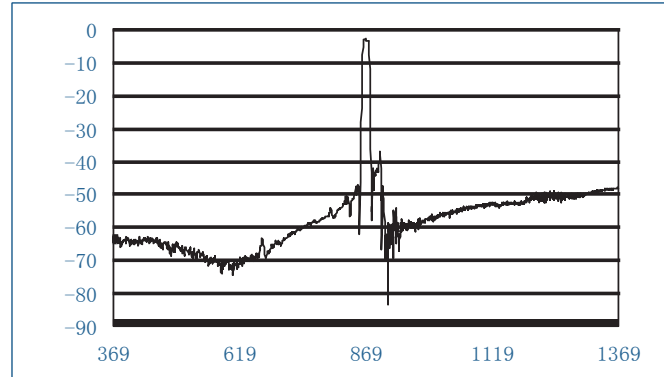
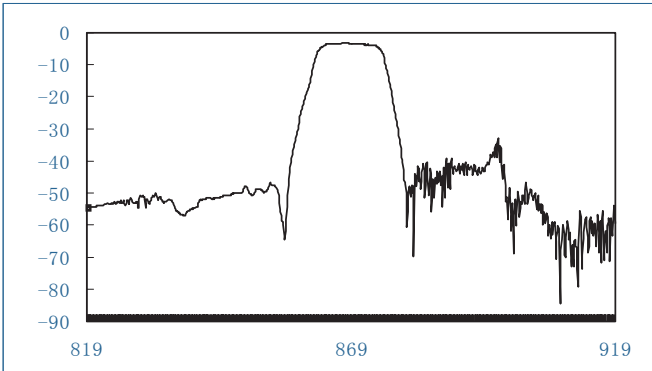


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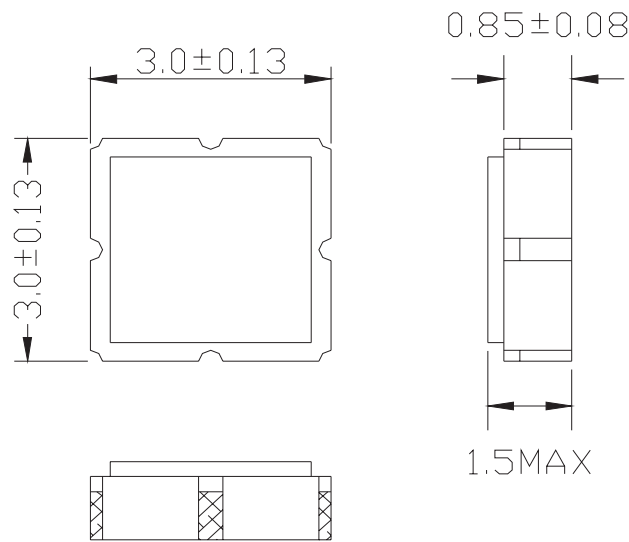


3.0 x 3.0 x .85mm

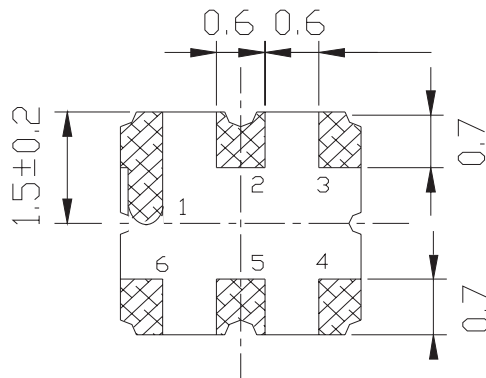
FREQUENCY CHARACTERISTICS



OUTLINE DIMENSIONS:



Dimension : mm



Pin No.	Function
Pin 2	Input
Pin 5	Output
Pin 1,3,4,6	Ground

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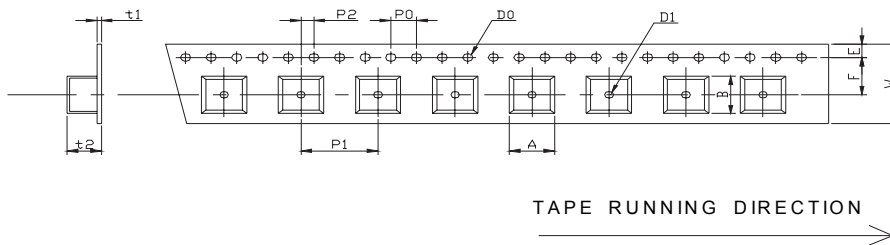


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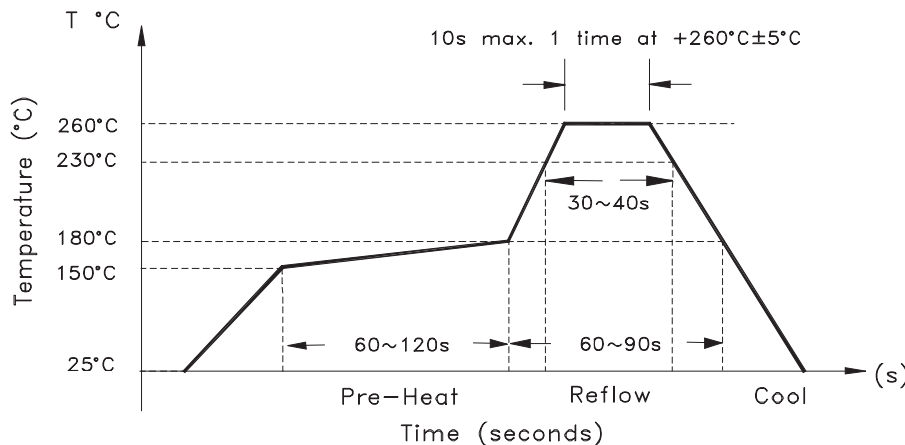
TAPE AND REEL:



W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	4.0	2.0	Φ1.5	Φ1.5	0.31	1.70	3.3	3.3
±0.3	±0.1	±0.1	±0.2	±0.1	±0.2	±0.1	±0.25	max.	max.	max.	max.

Dimension : mm

REFLOW PROFILE:



NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED



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