

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:

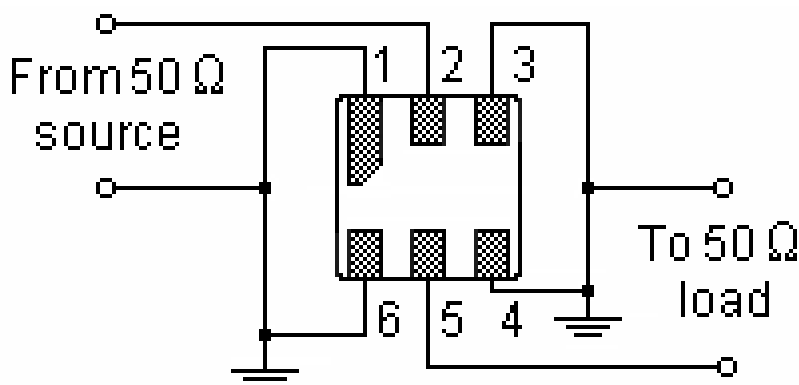
Maximum Ratings

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:



SMD 915MHz SAW Filter

AFS915S3

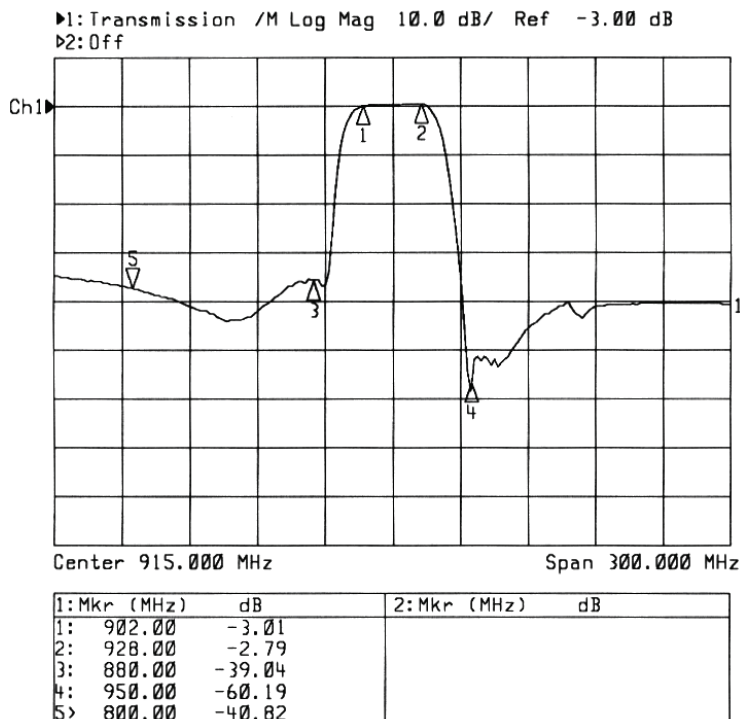


RoHS
Compliant

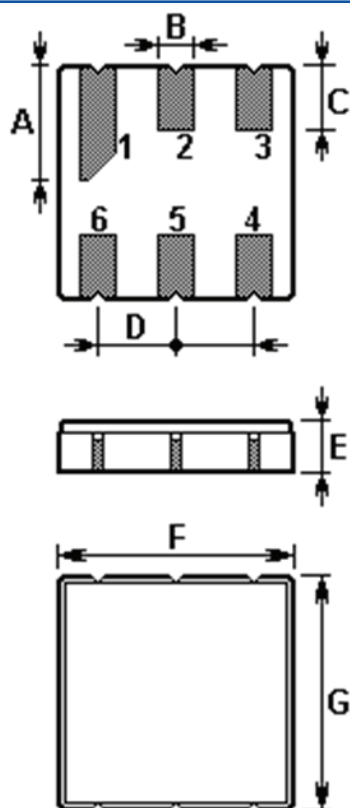


3.8 x 3.8 x 1.35 mm

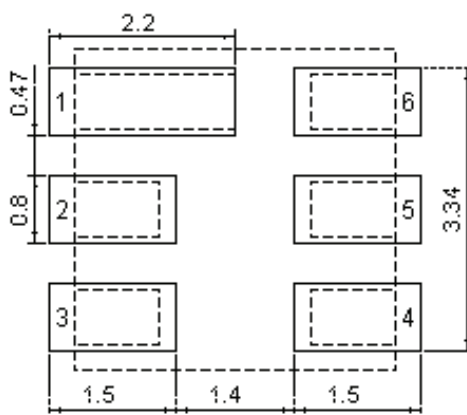
FREQUENCY CHARACTERISTICS



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

SMD 915MHz SAW Filter

AFS915S3

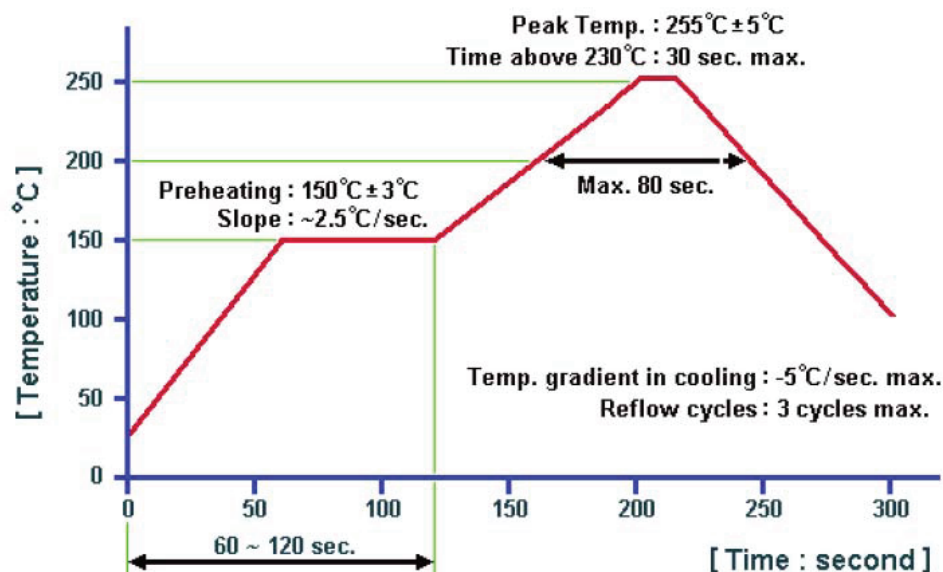


RoHS
Compliant



3.8 x 3.8 x 1.35 mm

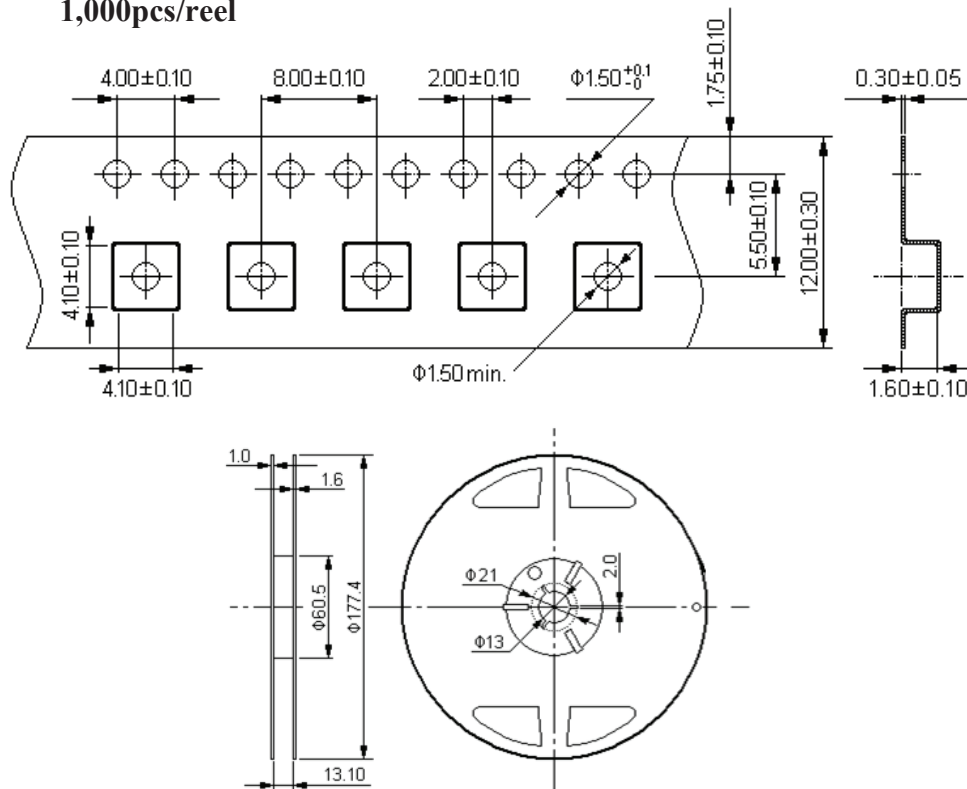
REFLOW PROFILE:



TAPE & REEL:

Packaging:

1,000pcs/reel



Dimensions: mm

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

ABRACON IS
ISO9001:2008
CERTIFIED



ABRACON
The Power of Linking Together

2 Faraday, Suite# B | Irvine | CA 92618 **Revised: 07.24.15**

Ph. 949.546.8000 | Fax. 949.546.8001

Visit www.abracon.com for Terms and Conditions of Sale

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ABRACON:](#)

[AFS915S3](#)