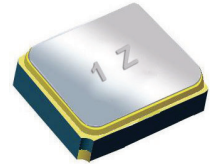


Surface Mount 2017.50MHz SAW Filter

AFS14A15-2017.5-T2



RoHS
Compliant



1.4 x 1.1 x 0.7 mm

FEATURES:

- 1.4 x 1.1 x 0.7 mm low profile SMT package
- Low Insertion loss
- Excellent selectivity with high out-of-band rejection

APPLICATIONS:

- Wireless Communication
- Remote Control
- Cellular Phones

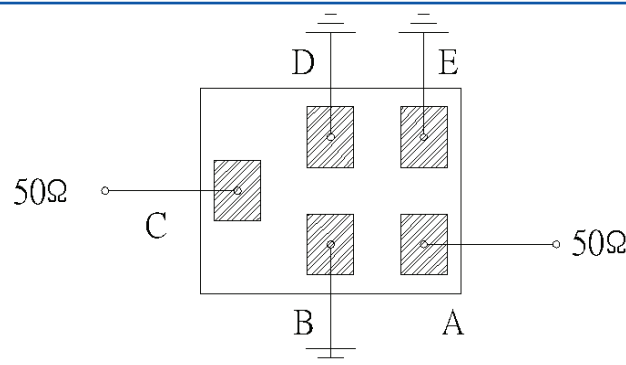
ELECTRICAL SPECIFICATIONS:

Maximum Ratings

Item	Value
Input Power Level	+13 dBm max.
DC Permissive Voltage	3.0V DC max.
Operating Temperature Range	-30°C to + 85°C
Storage Temperature Range	-40°C to + 85°C

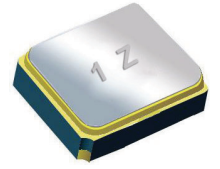
Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f_c)		2017.50		MHz	
Insertion Loss (IL)		2.0	2.8	dB	(2010.00~2025.00MHz)
3-dB Bandwidth		15		MHz	
Amplitude Ripple		0.25	1.00	dB	(2010.00~2025.00MHz)
Worst-Case Input / Output Return Loss		20.8	10.88	dB	(2010.00~2025.00MHz)
Stop-band Attenuation (Referenced to 0.0 dB)	41	45		dB	DC~1850 MHz
	34	36			1850~1950 MHz
	15	19			1950~1980 MHz
	6	13			2050~2075 MHz
	23	37			2075~2110 MHz
	37	40			2110~3500 MHz
	34	40			3500~4060 MHz
	29	37			4060~5000 MHz
	25	35			5000~5500 MHz
	23	33			5500~6000 MHz
Terminating Source Impedance (Z_s)		50		Ω	
Temperature Coefficient of Frequency		-36		ppm/°C	

TEST CIRCUIT:



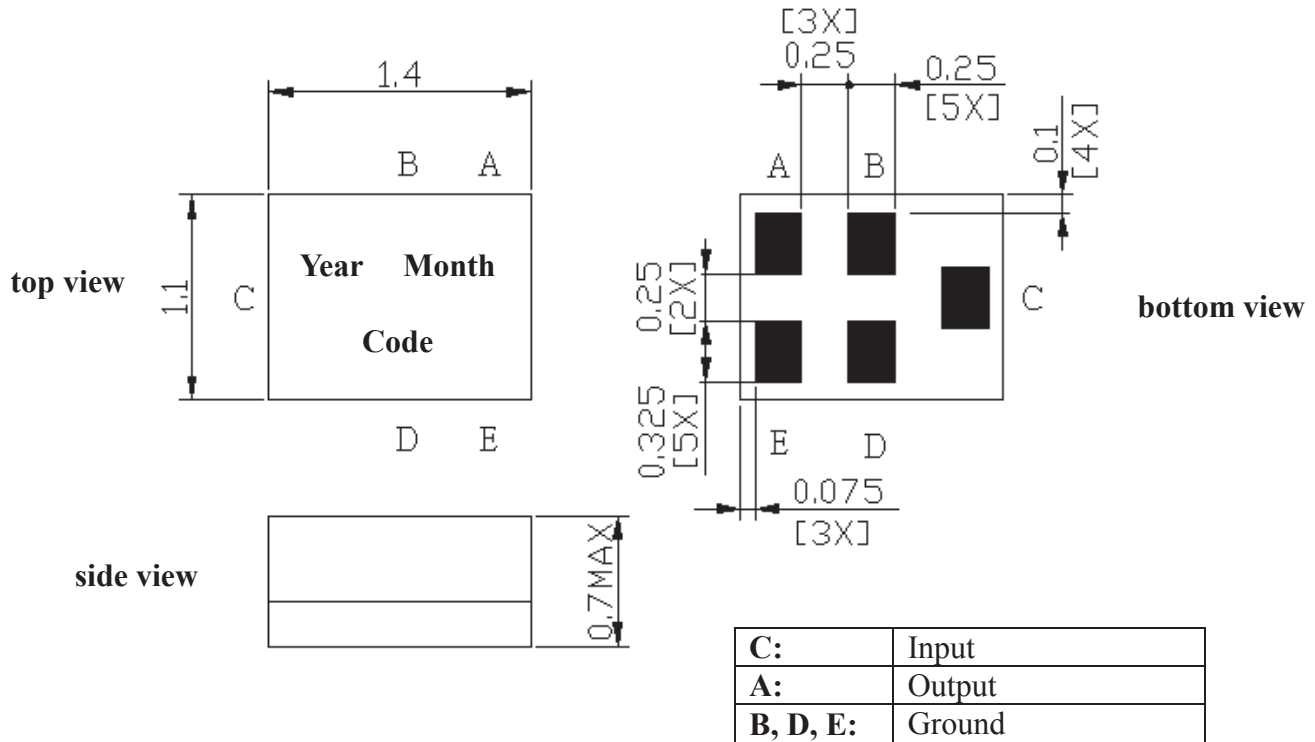
Surface Mount 2017.50MHz SAW Filter

AFS14A15-2017.5-T2



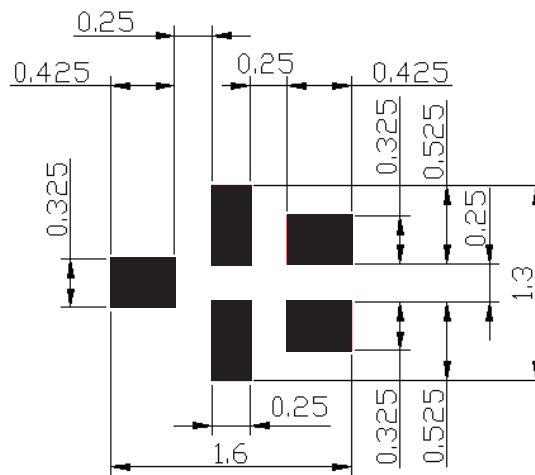
1.4 x 1.1 x 0.7 mm

OUTLINE DIMENSIONS:



*All Dimensions are in mm

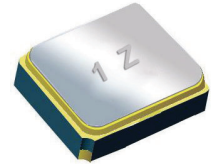
Recommended Land Pattern:



■ : Land Pattern
Unit : mm

Surface Mount 2436.00MHz SAW Filter

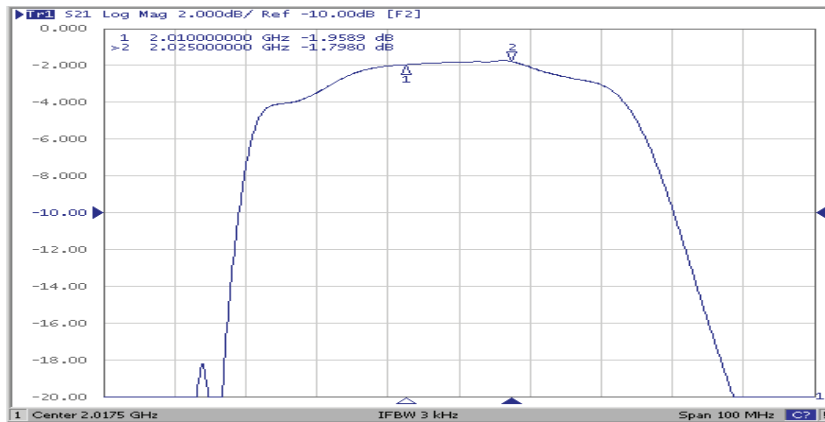
AFS14A72-2436.00-T2



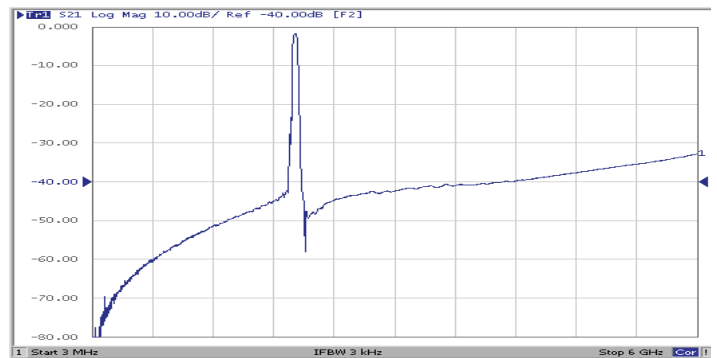
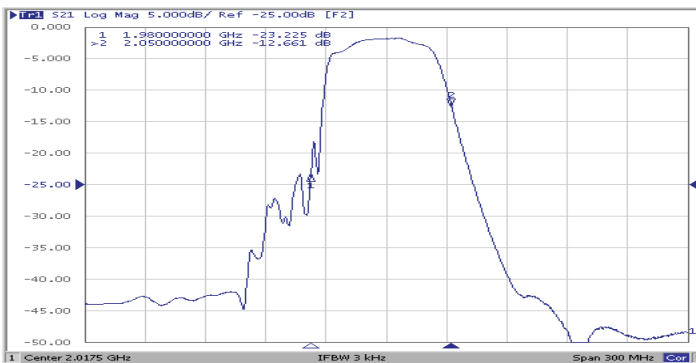
1.4 x 1.1 x 0.7 mm

FREQUENCY CHARACTERISTICS:

Filter Frequency Response (Narrowband)

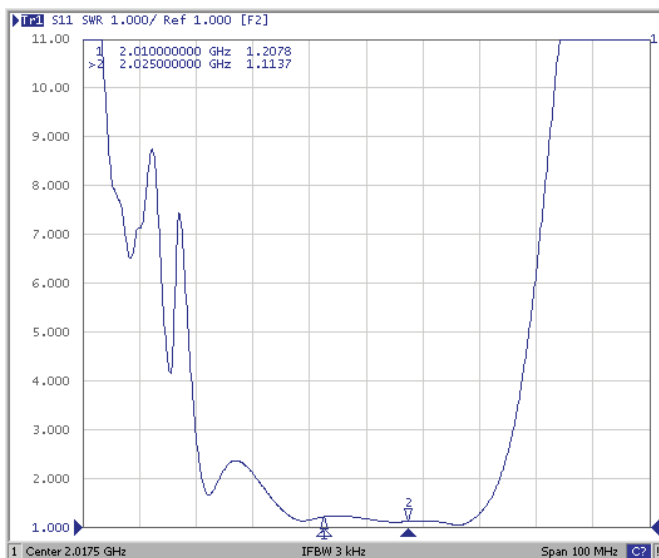


Filter Frequency Response (Wideband)

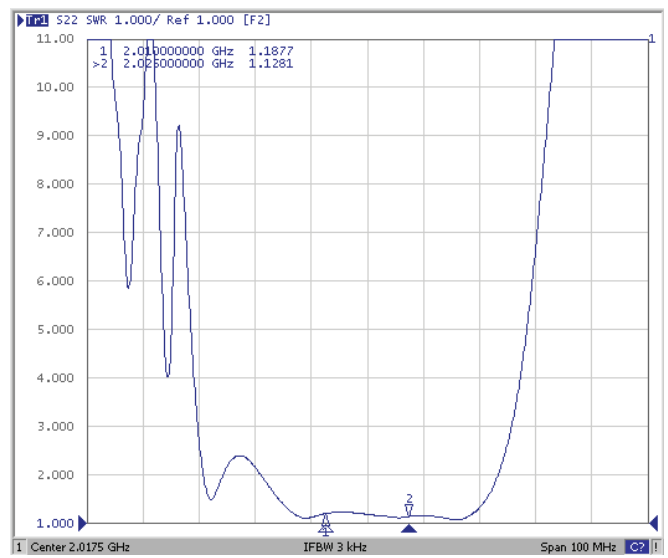


REFLECTION FUNCTIONS:

S11



S22



ABRACON IS
ISO 9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

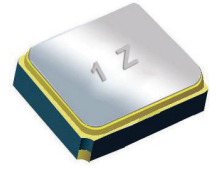
Revised: 07.23.12

Surface Mount 2436.00MHz SAW Filter

AFS14A72-2436.00-T2

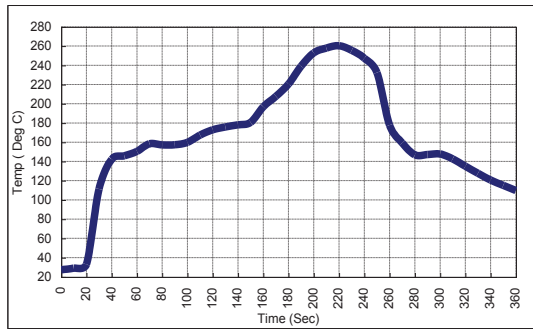


RoHS
Compliant



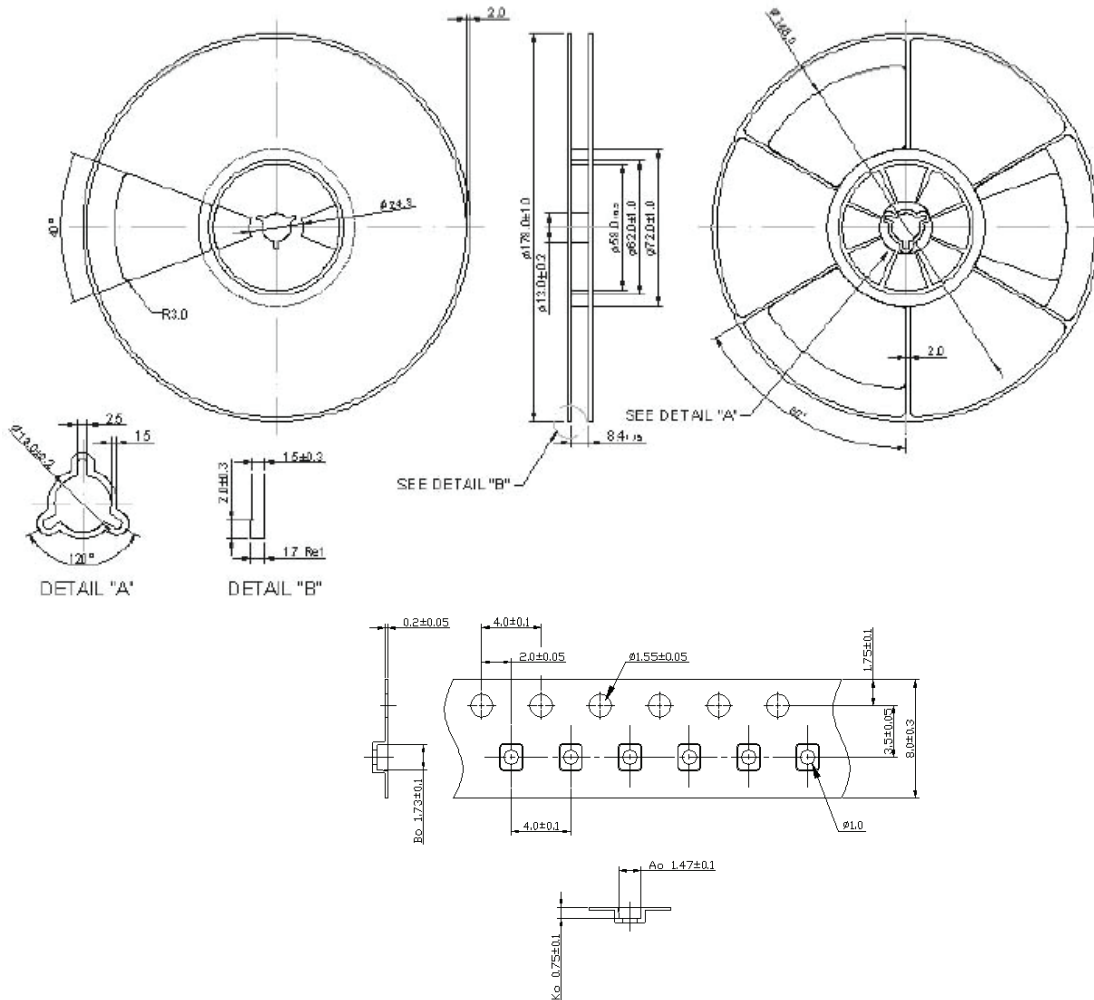
1.4 x 1.1 x 0.7 mm

REFLOW PROFILE:



PACKAGING: 2000 Units/Reel

Reel Count : 7" = 2k units



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
ISO 9001:2008
CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

Revised: 07.23.12