

AFS14A26-915.00-T3

Moisture Sensitivity Level (MSL) = 3

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

ELECTRICAL SPECIFICATIONS:

- ► APPLICATIONS:
 - •Wireless Communication

(Pb

RoHS

Compliant

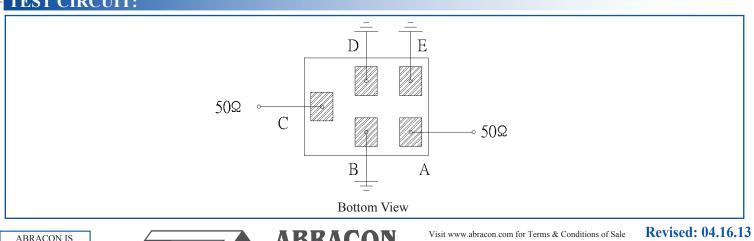
- Remote Control
- Cellular Phones

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Maximum Ratings					
Item	Value				
Input Power Level	+10 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)		915.00		MHz	
Insertion Loss (IL)		2.5	3.1	dB	902 ~ 928MHz
Effective Bandwidth		26		MHz	
Amplitude Ripple		0.4	1.5	dB	$902 \sim 928 MHz$
Group Delay Variation		15	50	ns	$902 \sim 928 MHz$
Worst-Case Input / Output Return Loss	9.0	10.0		dB	$902 \sim 928 MHz$
Stop-band Attenuation (Referenced to 0.0 dB)	50	53		dB	0.1~702 MHz
	49	53			738~764 MHz
	42	48			820~846 MHz
	42	50			990~1010 MHz
	49	53			1072~1092 MHz
	40	42			1128~1804 MHz
	40	42			1804~1856 MHz
	30	36			1856~3000 MHz
Source Impedance (Z _S)		50		Ω	See note # 1
Load Impedance (Z _L)		50		Ω	See note # 1

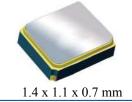
Note #1: No matching network required for operation into 50Ω 's

TEST CIRCUIT:





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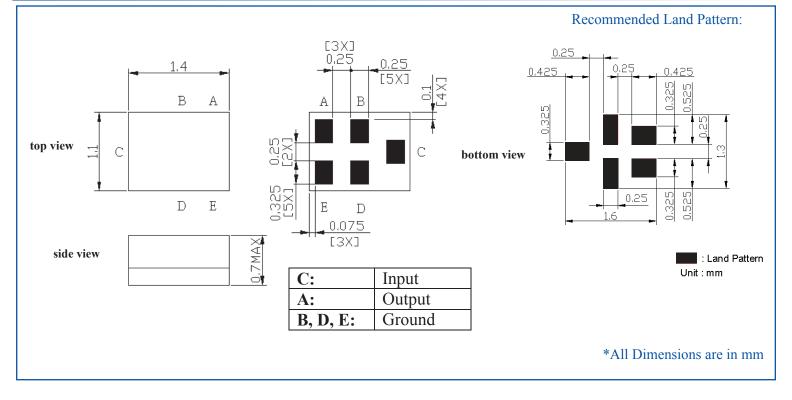


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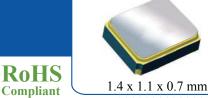
OUTLINE DIMENSIONS:



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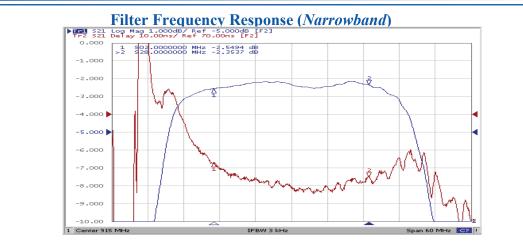
ISO 9001:2008 CERTIFIED

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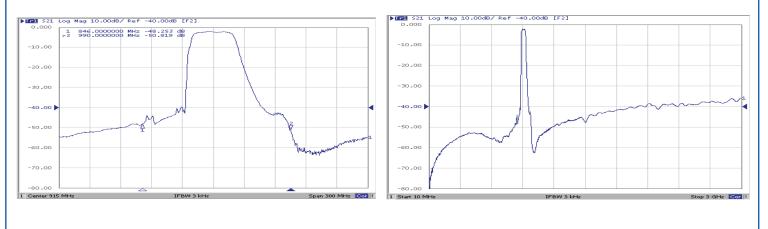


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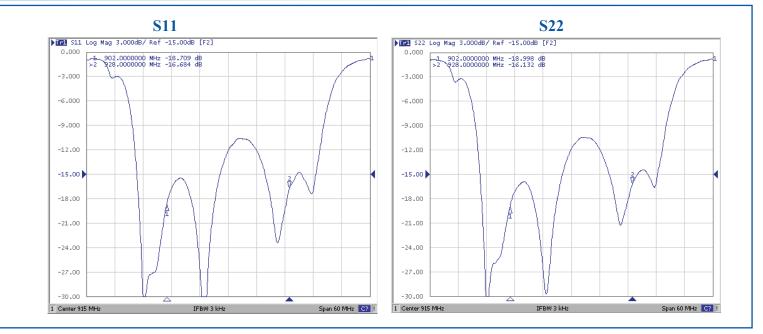
FREQUENCY CHARACTERISTICS:



Filter Frequency Response (Wideband)



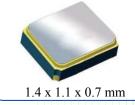
REFLECTION FUNCTIONS:



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 04.16.13** 30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com



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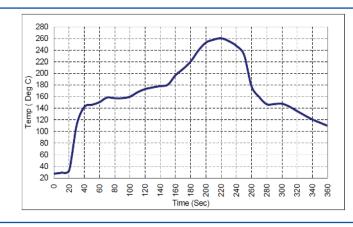


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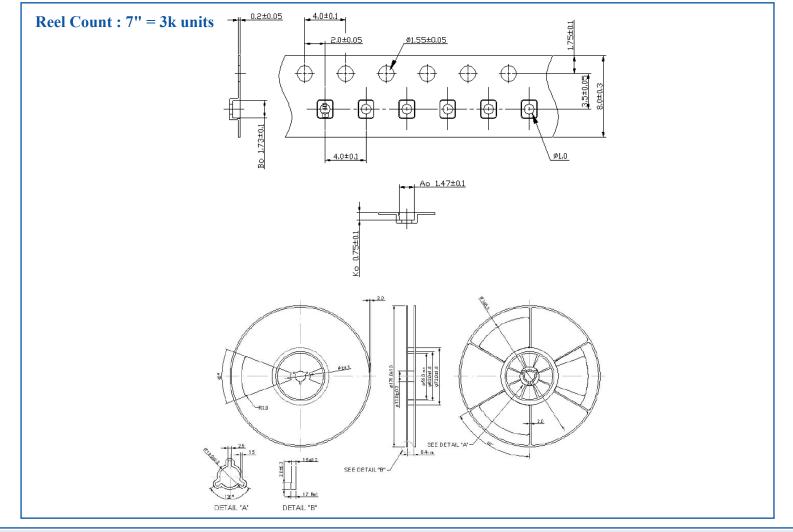
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REFLOW PROFILE:



PACKAGING: 3000 Units/Reel "-T2" parts (2k/reel) are no longer available effective 01/01/2013



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