AFS14A11-722.00-T3

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable



- 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:

• Remote Control

APPLICATIONS:

Pb

RoHS

Compliant

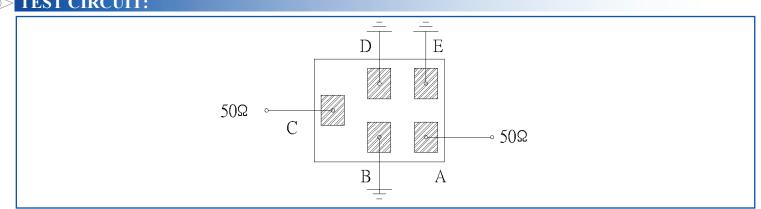
Cellular Phones

Maximum Ratings			
Item	Value		
Input Power Level	+15 dBm max.		
DC Permissive Voltage	3.0V DC max.		
Operating Temperature Range	-10° C to $+60^{\circ}$ C		
Storage Temperature Range	-40°C to + 85°C		

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f _c)		722.00		MHz	
Insertion Loss (IL)		2.1	2.8	dB	(716.29 ~ 727.71 MHz)
Effective Bandwidth		11		MHz	
Amplitude Ripple		0.4	1.2	dB	(716.29 ~ 727.71 MHz)
Group Delay Ripple		35	80	ns p-p	(716.29 ~ 727.71 MHz)
Stop-band Attenuation (Referenced to 0.0 dB)	35	38			0.1 ~ 698.0MHz
	3	7			704 ~ 710MHz
	0.5	1.5			710 ~ 716MHz
	0.5	2.0			$728 \sim 734 MHz$
	5	11.1			734 ~ 740MHz
	23	27			$740 \sim 746 MHz$
	30	36		dB	746 ~ 756MHz
	40	52			776 ~ 798MHz
	40	46			824 ~ 960MHz
	32	36			1575.0MHz
	30	34			1710 ~ 1785MHz
	25	33			1920 ~ 1980MHz
	20	26			2400 ~ 2484MHz
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

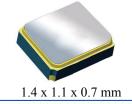
TEST CIRCUIT:



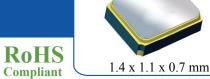




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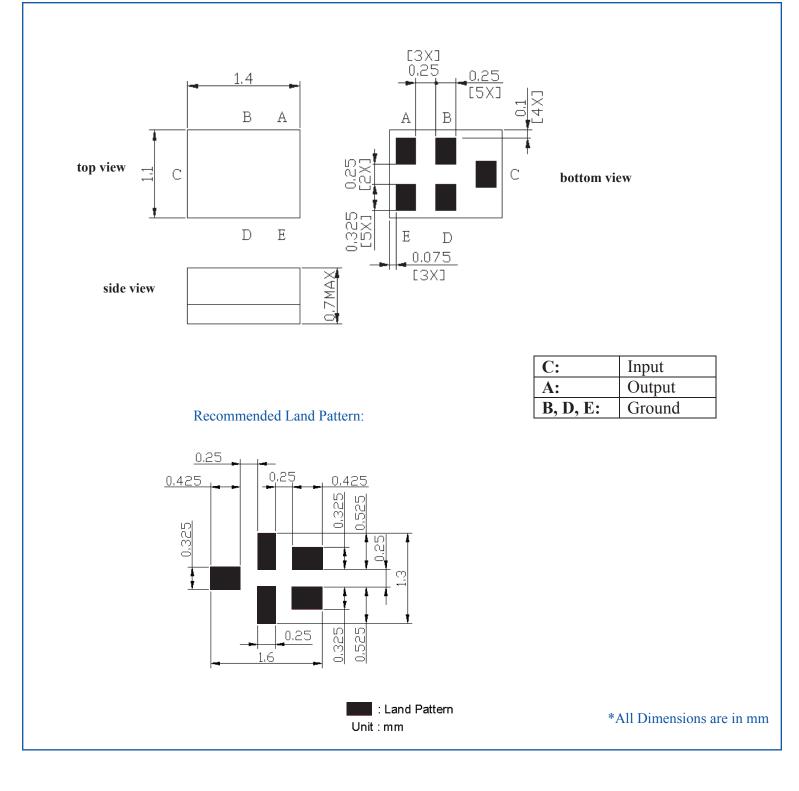


AFS14A11-722.00-T3



(Pb

OUTLINE DIMENSIONS:

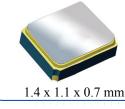






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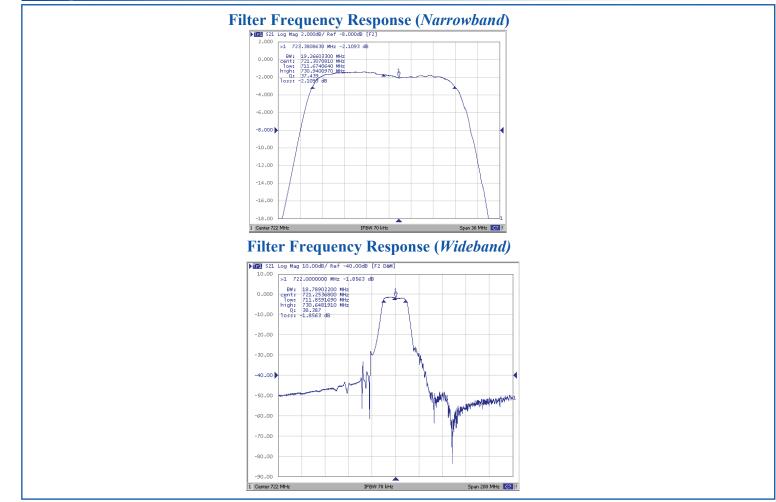


RoHS

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FREQUENCY CHARACTERISTICS:



REFLECTION FUNCTIONS:



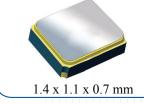
S22 FTP1 S22 SWR 1.000/ Ref 1.000 [F2] 11.00 >1 723.0806750 MHz 1.9512 10.00 9,000 8.000 7.000 6.000 5.000 4.000 3.000 1 2.000 1.000 IFBW 70 kHz 1 Center 722 MH Span 30 MHz C? !

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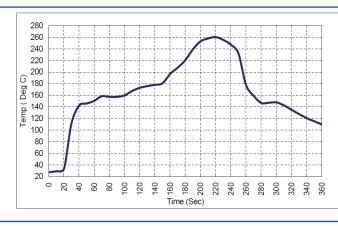


RoHS

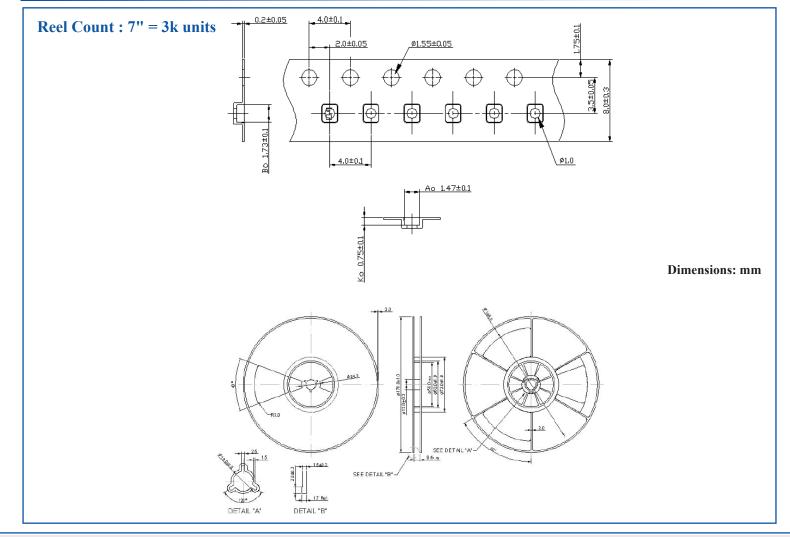
Compliant

Pb

REFLOW PROFILE:



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



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.

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