AFS14A04-1575.42-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:

APPLICATIONS: Wireless Communication

Remote Control

Pb

RoHS

Compliant

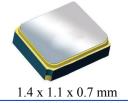
Cellular Phones

Maximum Ratings			
Item	Value		
Input Power Level	+15 dBm max.		
DC Permissive Voltage	3.0V DC max.		
Operating Temperature Range	-40°C to + 85°C		
Storage Temperature Range	-40°C to + 85°C		

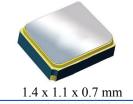
Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f _c)		1575.42		MHz	
Insertion Loss (IL)		0.90	1.50	dB	(1574.42~1576.42 MHz)
Effective Bandwidth		40		MHz	
Amplitude Ripple		0.1	0.75	dB	(1574.42~1576.42 MHz)
Worst-Case Input / Output Return Loss		23	12.7	dB	(1574.42~1576.42 MHz)
Stop-band Attenuation (Referenced to 0.0 dB)	35	38			D.C~1450 MHz
	30	45		dB	1450~1520 MHz
	45	48			1625~1640 MHz
	38	40			1640~1805 MHz
	38	40			1805~1910 MHz
	38	43			1910~2000 MHz
	30	45			2000~4000 MHz
	20	22			4000~6000 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: D Е 50Ω С ⊸ 50Ω В А Bottom View **Revised: 04.16.13** Visit www.abracon.com for Terms & Conditions of Sale ABRACON IS 30332 Esperanza, Rancho Santa Margarita, California 92688 ISO 9001:2008 CERTIFIED CORPORATION tel 949-546-8000 | fax 949-546-8001 | www.abracon.com



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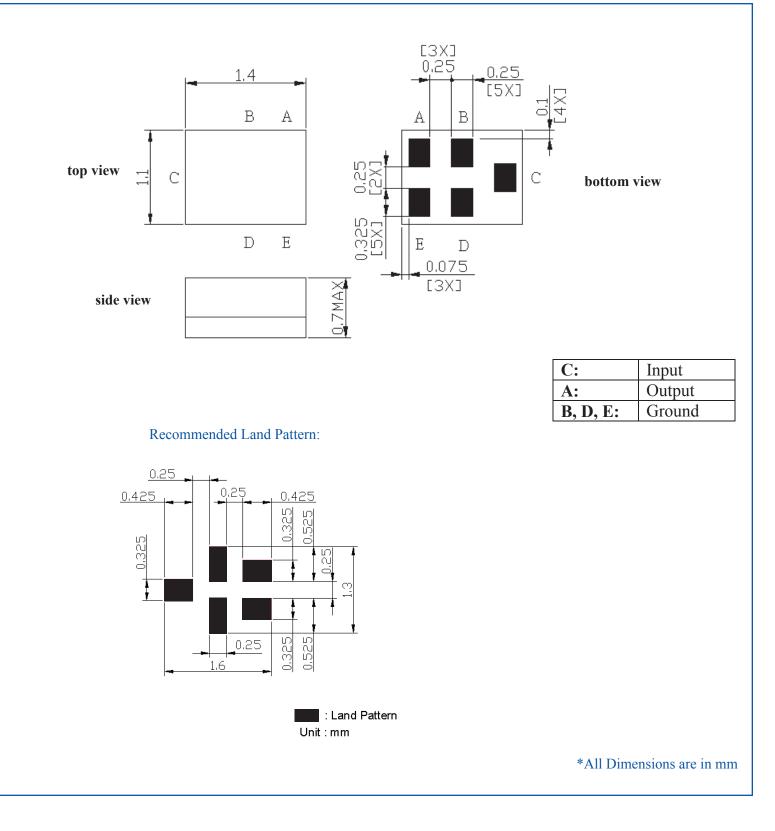


RoHS

Compliant

(Pb



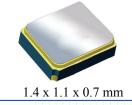






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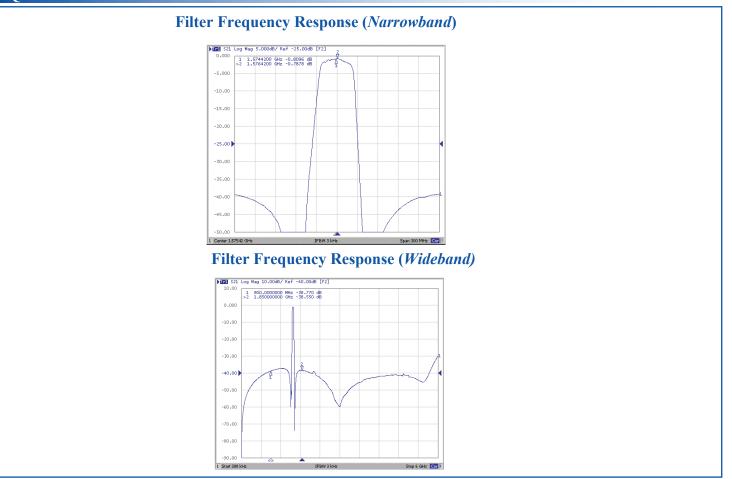


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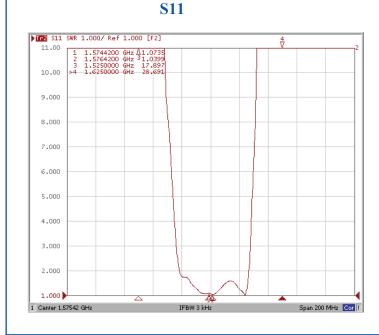
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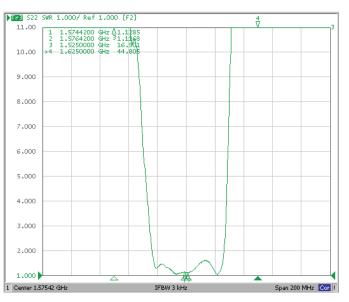
FREQUENCY CHARACTERISTICS:



REFLECTION FUNCTIONS:



S22

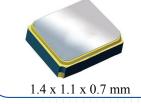


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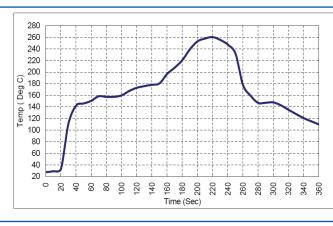


RoHS

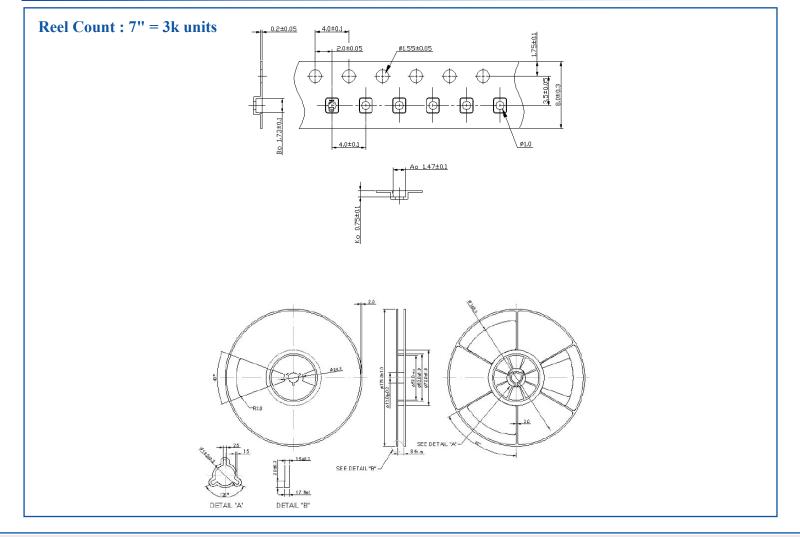
Compliant

Pb

REFLOW PROFILE:



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



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