AFS14A04-1575.42-T3

• 1.4 x 1.1 x 0.7 mm low profile SMT package

Moisture Sensitivity Level (MSL) = 3

• Low Insertion loss

>



1.4 x 1.1 x 0.7 mm

- > APPLICATIONS:
 - Wireless Communication

(Pb

- Remote Control
- Cellular Phones

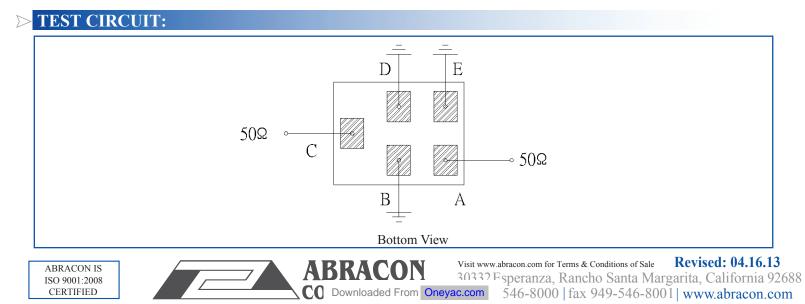
ELECTRICAL SPECIFICATIONS: Maximum Ratings

• Excellent selectivity with high out-of-band rejection

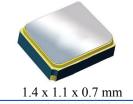
Maximum Ratings			
Item	Value		
Input Power Level	+15 dBm max.		
DC Permissive Voltage	3.0V DC max.		
Operating Temperature Range	-40°C to + 85°C		
Storage Temperature Range	-40°C to + 85°C		

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



AFS14A04-1575.42-T3

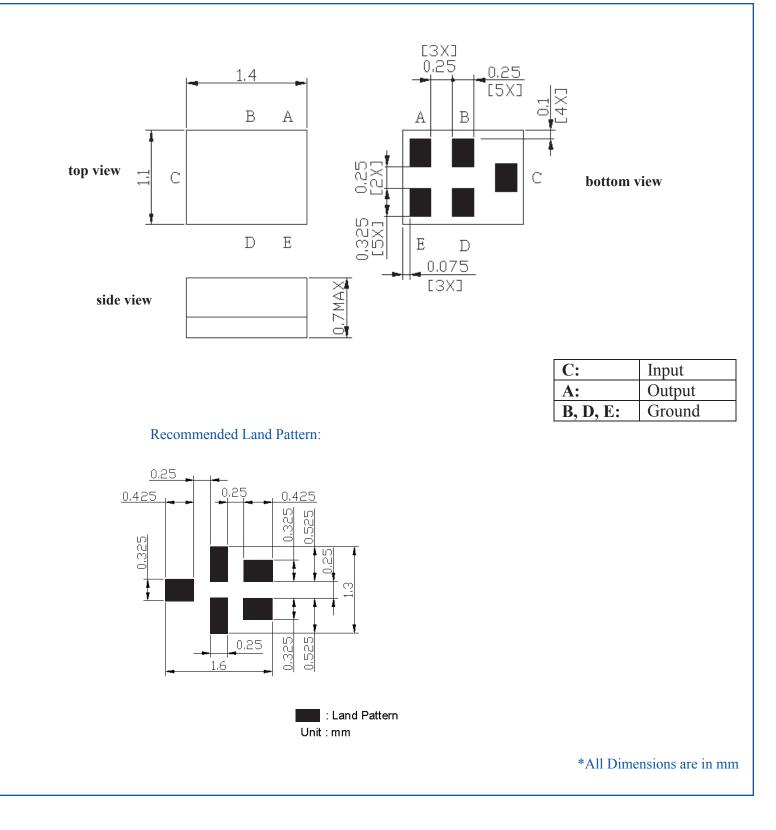


RoHS

Compliant

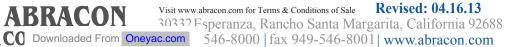
(Pb

OUTLINE DIMENSIONS:

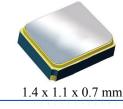


ICON

ABK/



AFS14A04-1575.42-T3

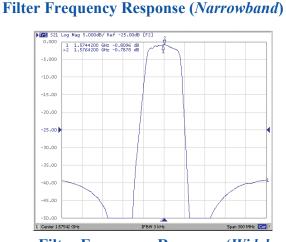


RoHS

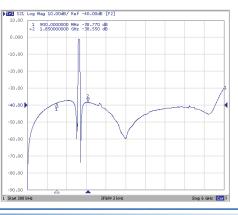
Compliant

Pb

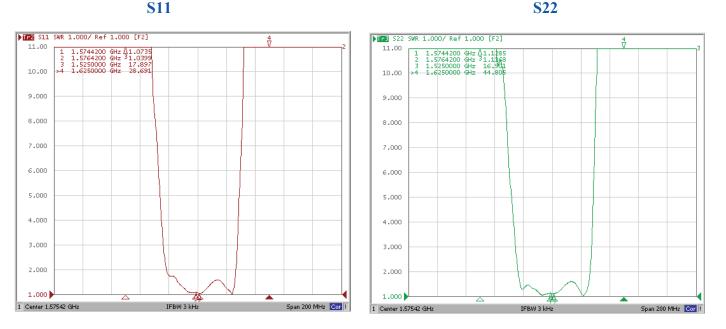
FREQUENCY CHARACTERISTICS:



Filter Frequency Response (Wideband)



REFLECTION FUNCTIONS:



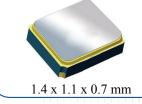
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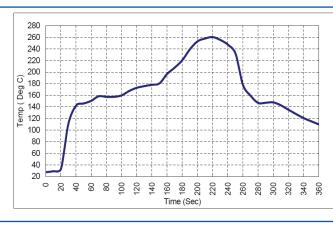


RoHS

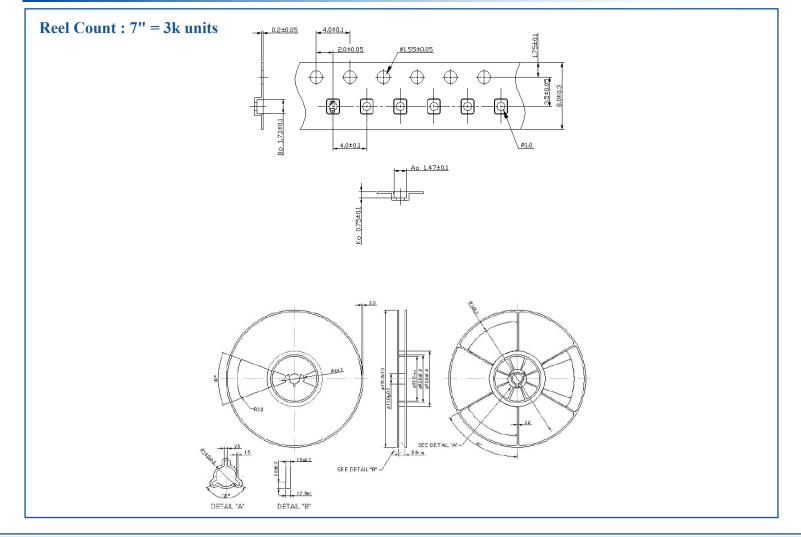
Compliant

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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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