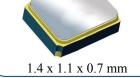
AFS14A34-1588.66-T3

 $\label{lem:model} \begin{tabular}{ll} Moisture Sensitivity Level (MSL) - This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable \\ \end{tabular}$





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:

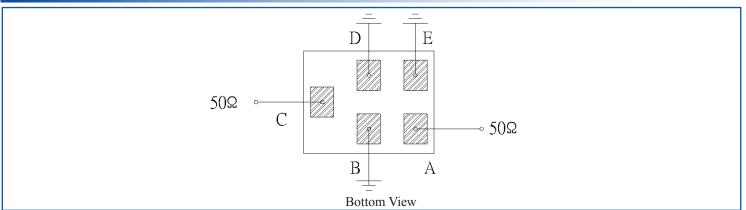
Maximum Ratings

Item	Value		
Input Power Level	+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)		1588.66		MHz	
Insertion Loss (IL)		1.25	1.70	dB	1573.42~1577.42 MHz
Insertion Loss (IL)		1.7	2.5	dB	1571.42~1605.89 MHz
Effective Bandwidth		34		MHz	
Amplitude Ripple		0.25	0.8	dB	1573.42~1577.42 MHz
Amplitude Ripple		0.7	1.5	dB	1571.42~1605.89 MHz
Worst-Case Input / Output Return Loss	9.54	20.8		dB	1573.42~1577.42 MHz
Worst-Case Input / Output Return Loss	12.7	20.8		dB	1571.42~1605.89 MHz
Stop-band Attenuation (Referenced to 0.0 dB)	32	35			D.C~824 MHz
	32	35			824~849 MHz
	32	34.5			849~880 MHz
	32	34.5		dB	880~915 MHz
	30	34			915~1452 MHz
	32	37			1452~1525 MHz
	32	36		_	1710~1785 MHz
	32	36			1785~1850 MHz
	25	36			1850~6000 MHz
Temperature Coefficient of frequency		-36		ppm/°C	
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:

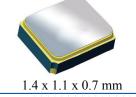




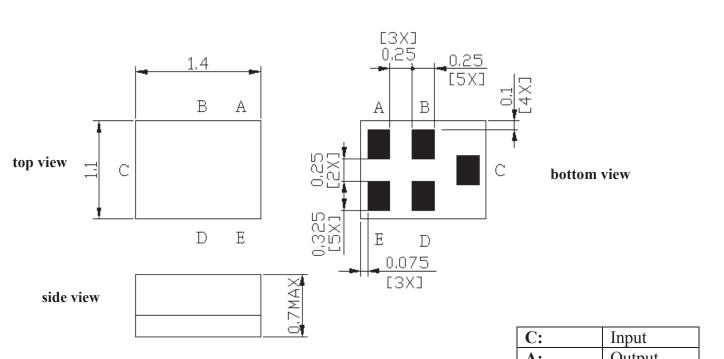


AFS14A34-1588.66-T3



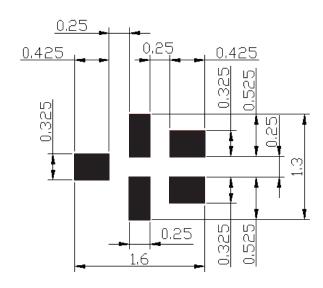


OUTLINE DIMENSIONS:



C: Input A: Output B, D, E: Ground

Recommended Land Pattern:



: Land Pattern

Unit : mm

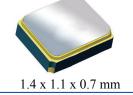
*All Dimensions are in mm



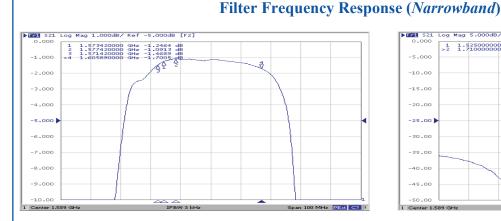


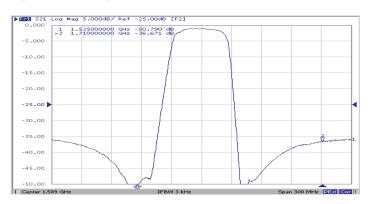
AFS14A34-1588.66-T3



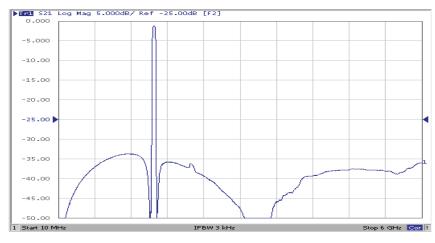


> FREQUENCY CHARACTERISTICS:



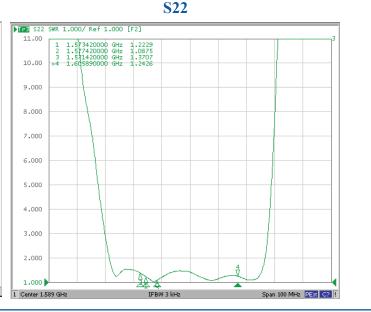


Filter Frequency Response (Wideband)



REFLECTION FUNCTIONS:



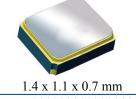


ABRACON IS ISO 9001:2008 CERTIFIED

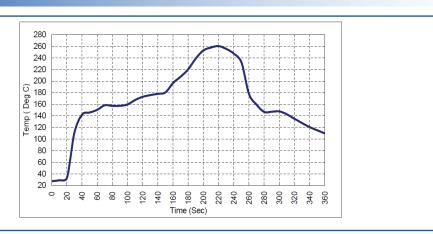


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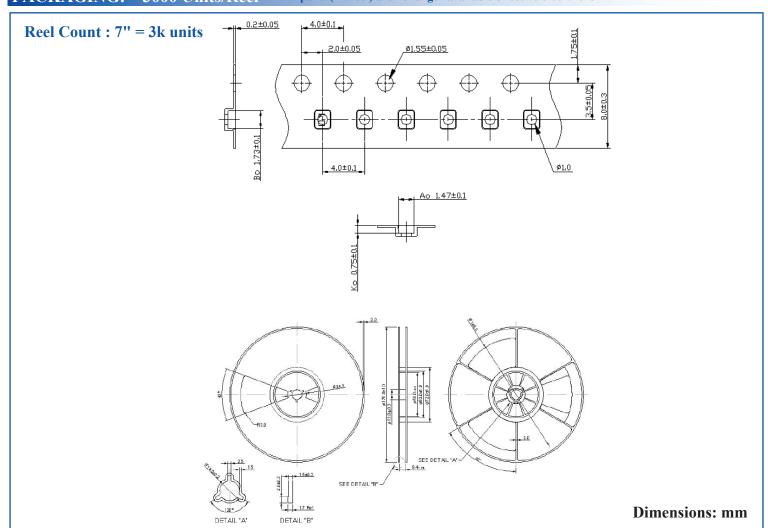




REFLOW PROFILE:



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



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