

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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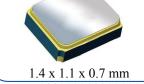
AFS14A04-1575.42-T3

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





> APPLICATIONS:

- •Wireless Communication
- Remote Control
- Cellular Phones

ELECTRICAL SPECIFICATIONS:

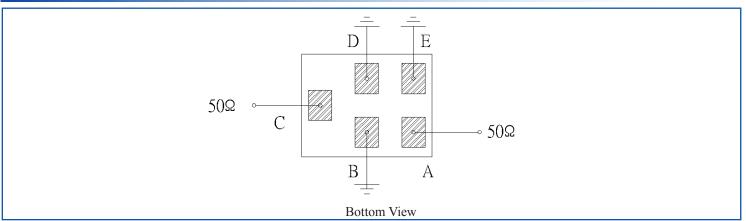
Maximum Ratings

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		dB	D.C~1450 MHz
	30	45			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:

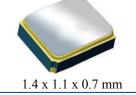




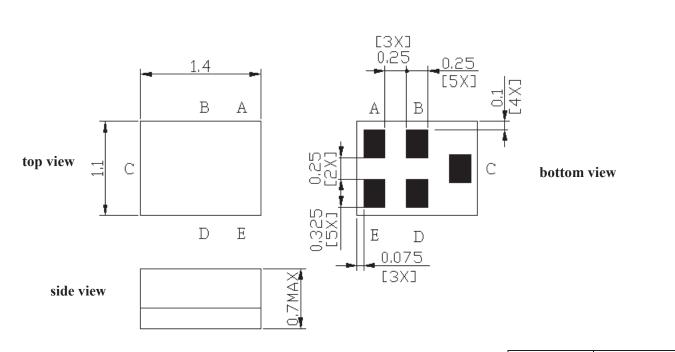


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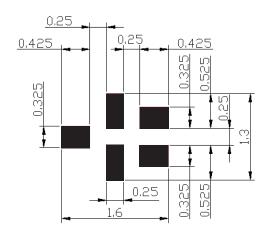


OUTLINE DIMENSIONS:



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

Recommended Land Pattern:



: Land Pattern Unit : mm

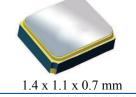
*All Dimensions are in mm





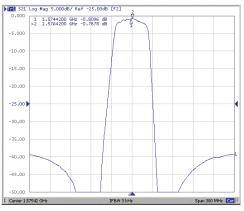
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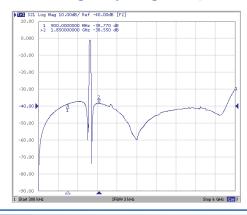


▶ FREQUENCY CHARACTERISTICS:

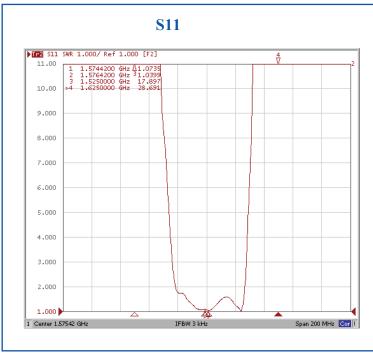
Filter Frequency Response (Narrowband)



Filter Frequency Response (Wideband)



REFLECTION FUNCTIONS:



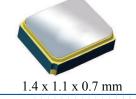






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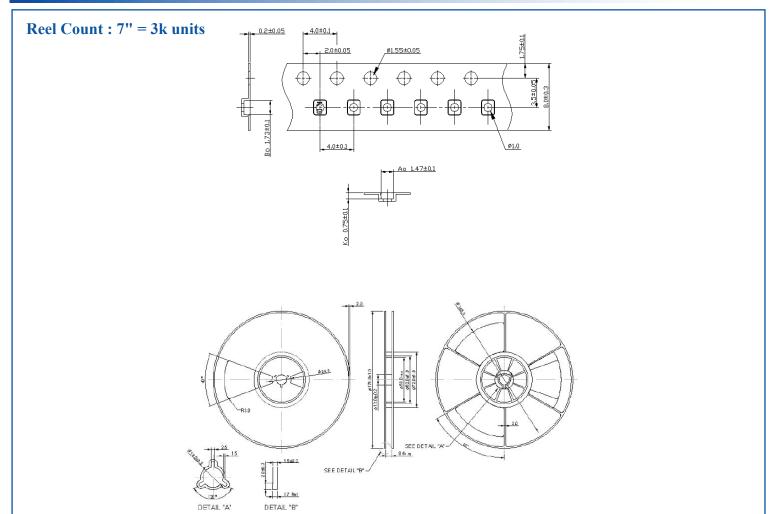




REFLOW PROFILE:



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



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