## 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

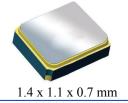
Cellular Phones

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		

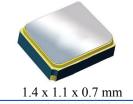
Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency (f <sub>c</sub> )		1575.42		MHz	
Insertion Loss (IL)		0.90	1.50	dB	(1574.42~1576.42 MHz)
Effective Bandwidth		40		MHz	
Amplitude Ripple		0.1	0.75	dB	(1574.42~1576.42 MHz)
Worst-Case Input / Output Return Loss		23	12.7	dB	(1574.42~1576.42 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 <sub>S</sub> )		50		Ω	See note # 1
Load Impedance (Z <sub>L</sub> )		50		Ω	See note # 1

*Note #1:* No matching network required for operation into  $50\Omega$ '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



AFS14A04-1575.42-T3

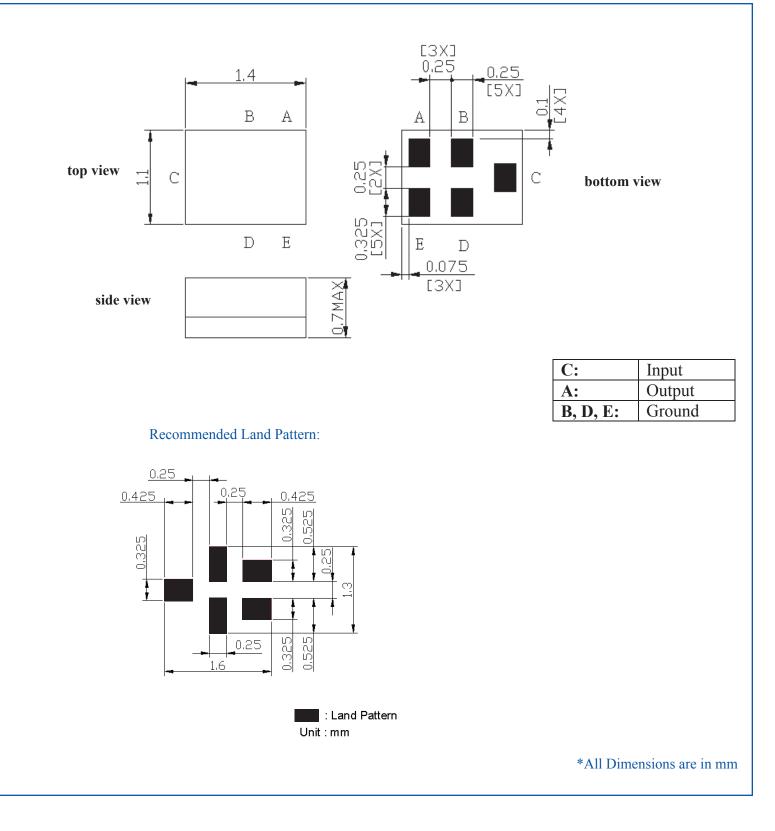


RoHS

Compliant

(Pb



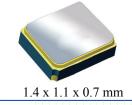






Visit www.abracon.com for Terms & Conditions of Sale **Revised: 04.16.13** 30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

### AFS14A04-1575.42-T3

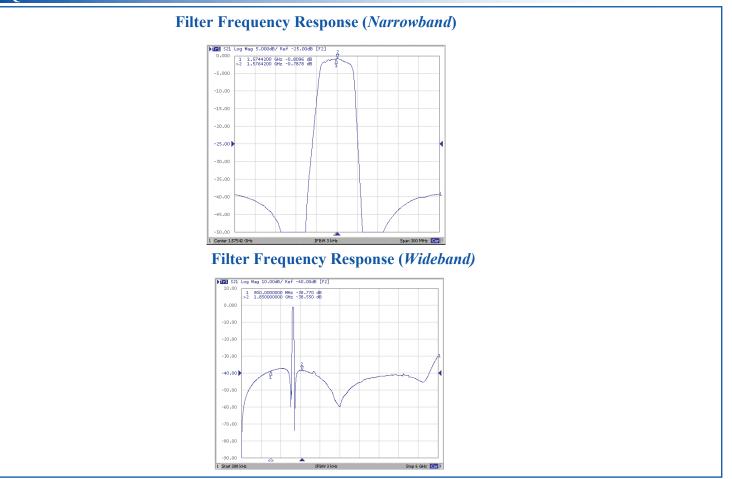


RoHS

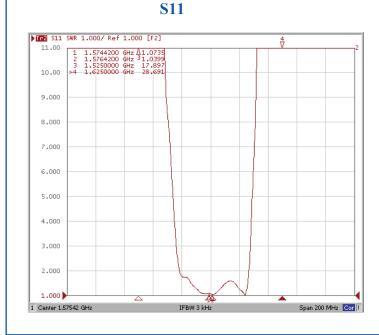
Compliant

Pb

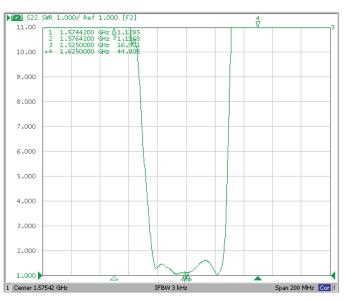
### **FREQUENCY CHARACTERISTICS:**



### **REFLECTION FUNCTIONS:**



**S22** 

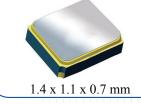


ABRACON IS ISO 9001:2008 CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 04.16.13** 30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

AFS14A04-1575.42-T3

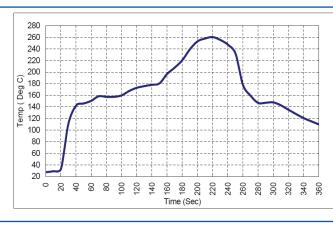


RoHS

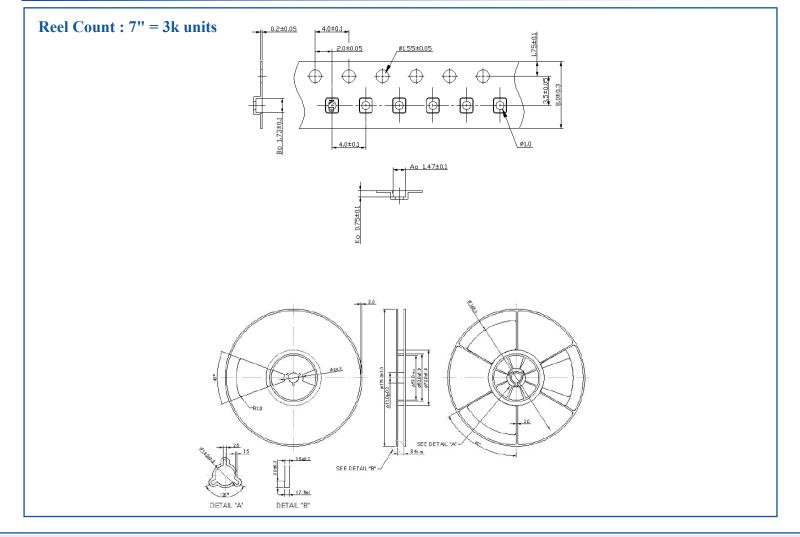
Compliant

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.

ABRACON IS ISO 9001:2008 CERTIFIED



Visit www.abracon.com for Terms & Conditions of Sale **Revised: 04.16.13** 30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

### **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Signal Conditioning category:

Click to view products by ABRACON manufacturer:

Other Similar products are found below :

MAPDCC0001 MAPDCC0004 PD0409J5050S2HF 880157 HHS-109-PIN DC1417J5005AHF AFS14A30-2185.00-T3 AFS14A35-1591.50-T3 DS-323-PIN B39321R801H210 1A0220-3 JP510S LFB212G45SG8C341 LFB322G45SN1A504 LFL182G45TC3B746 SF2159E 30057 FM-104-PIN CER0813B MAPDCC0005 3A325 40287 41180 ATB3225-75032NCT BD0810N50100AHF BD2425J50200AHF C5060J5003AHF JHS-115-PIN JP503AS DC0710J5005AHF DC2327J5005AHF DC3338J5005AHF 43020 LFB2H2G60BB1C106 LFL15869MTC1B787 X3C19F1-20S XC3500P-20S 10013-20 SF2194E CDBLB455KCAX39-B0 TGL2208-SM, EVAL RF1353C PD0922J5050D2HF 1E1305-3 1F1304-3S 1G1304-30 B0922J7575AHF 2020-6622-20 TP-102-PIN TP-103-PIN