

# SPECIFICATION

## COMMERCIALY AVAILABLE

**CERAMIC BAND PASS**  
**PART NUMBER: CF32002409A**

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
5/21/15 <sup>(kn)</sup>				

***FILTRONETICS Inc***

### 1. APPLICATION

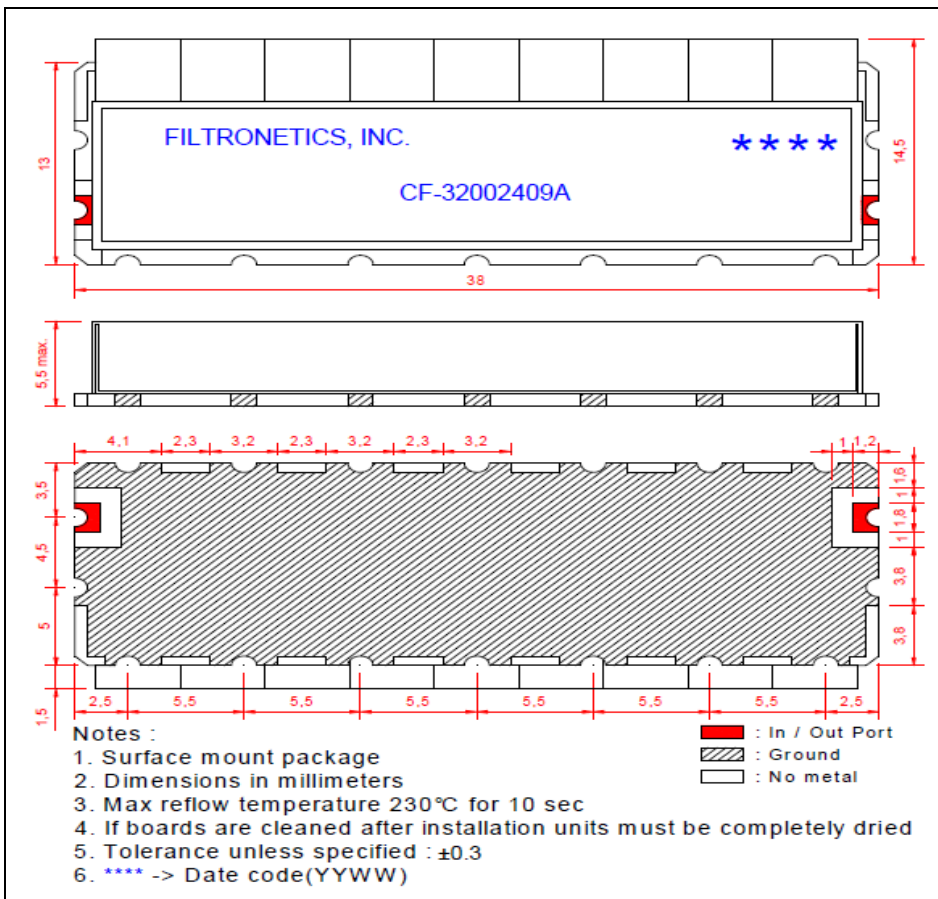
THIS SPECIFICATION APPLIES TO A BAND PASS FILTER, USING DIELECTRIC RESONATORS.

### 2. PART NUMBER: CF-32002409A

### 3. SPECIFICATIONS:

No.	Parameter	Unit	Specification
1	Center Frequency	MHz	3200
2	Bandwidth	MHz	$F_c \pm 120$ (3080 ~ 3320MHz)
3	Insertion Loss at $F_c$	dB	2.8 max.
4	Ripple in BW	dB	1.5 max.
5	Return Loss in BW	dB	12 min.
6	Attenuation	dBc	60 min. @ 1800 ~ 2900MHz
			60 min. @ 3500 ~ 4000MHz
7	Group Delay Variation in BW	nSec.	30 max.
8	Input Power	Watt	1 max.
9	IN/OUT Impedance	$\Omega$	50
10	Operating Temp. Range	$^{\circ}\text{C}$	-40 ~ +85

### 4. DIMENSIONS:



**5. SIMULATION:**

