

# SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC FILTER

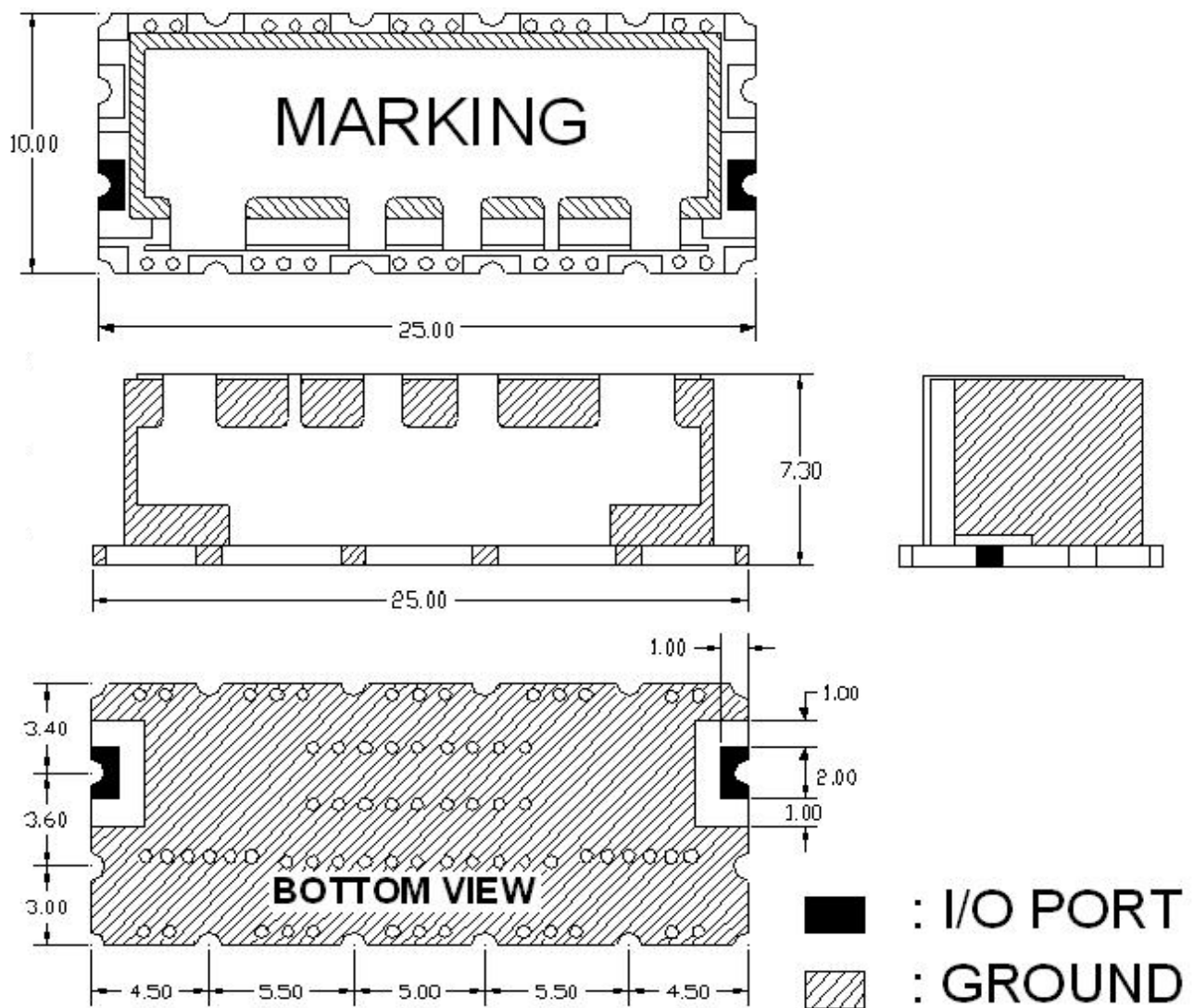
PART NUMBER: CFM-10600706A

| ISSUED / REVISION | ENGINEER APPROVED | DOCUMENT CHECKED | DRAFTSMAN    |
|-------------------|-------------------|------------------|--------------|
| 10/24/08**        |                   |                  |              |
| 3/7/11 DS         | 3/10/2011 SRJ     | 3/15/2011 BF     | 3/30/2011 GL |

1. PART NUMBER: CFM-10600706A

2. SPECIFICATION:

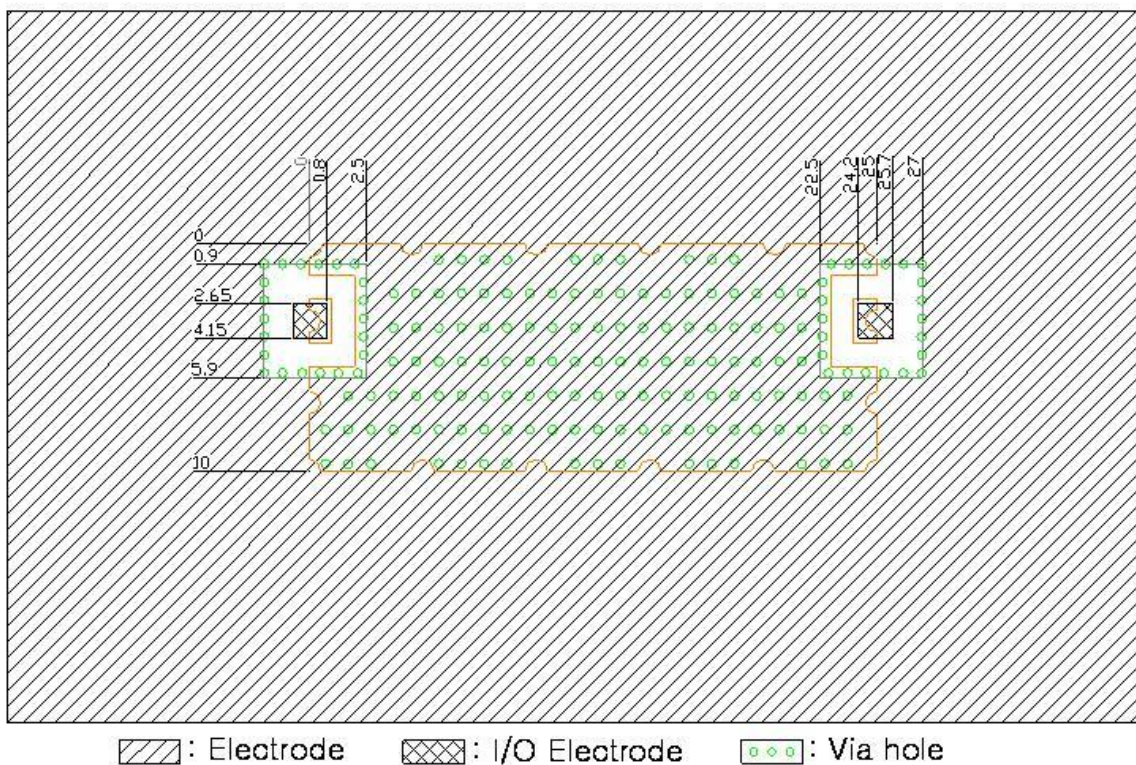
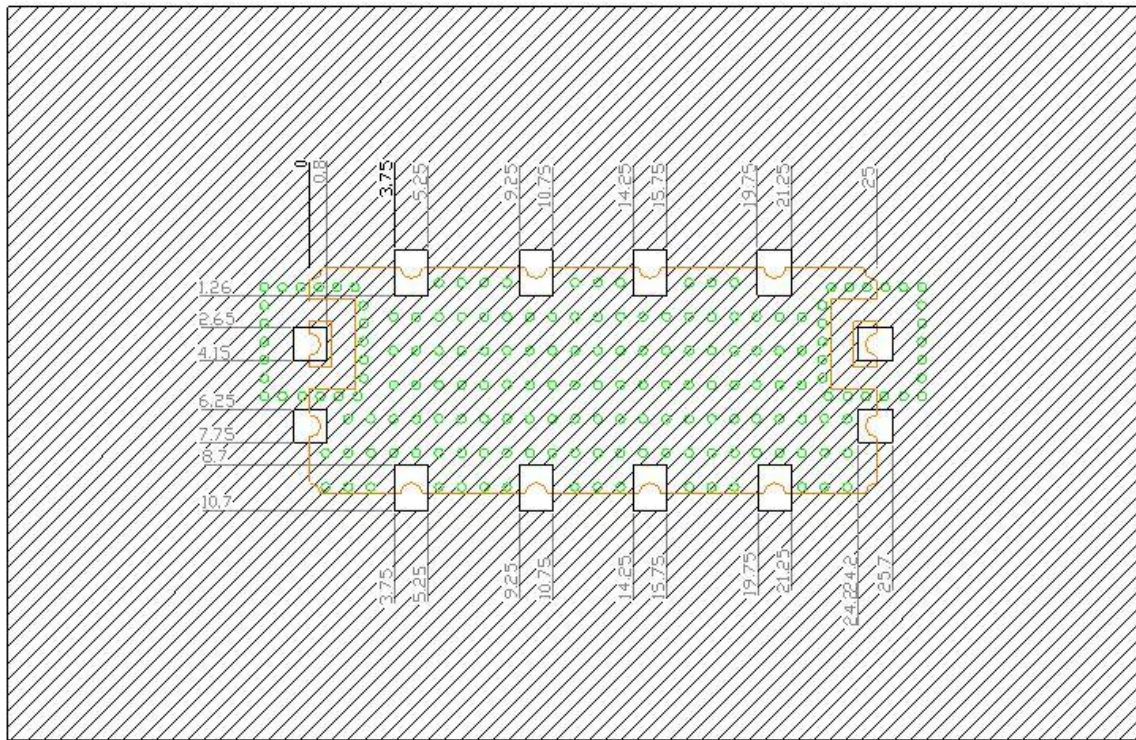
| NO | Parameter             |             | Typ.                                                                        | Spec.       |
|----|-----------------------|-------------|-----------------------------------------------------------------------------|-------------|
| 1  | Center Frequency (Fo) |             | 1060 MHz                                                                    |             |
| 2  | Pass Bandwidth (BW)   |             | 1025 ~ 1095 MHz                                                             |             |
| 3  | Insertion Loss in BW  |             | 1.0 dB                                                                      | 1.2 dB Max. |
| 4  | Ripple in BW          |             | 0.3 dB                                                                      | 0.5 dB Max. |
| 5  | Return Loss in BW     |             | 17 dB                                                                       | 15 dB Min.  |
| 6  | Attenuation           | At 978 MHz  | 21 dB                                                                       | 20 dB Min.  |
|    |                       | At 1200 MHz | 32 dB                                                                       | 30 dB Min.  |
| 7  | Input Power           |             | 6 W Max.                                                                    |             |
| 8  | Temperature           |             | -55 to +85 ° operating<br>-65 to +125 ° storage<br>±5 ° / Min Max variation |             |
| 9  | Vibration             |             | 1.48 Grms                                                                   |             |
| 10 | Shock                 |             | 6 G repetitive, 20 G survival                                               |             |
| 11 | Altitude              |             | 70,000 ft.                                                                  |             |
| 12 | Impedance             |             | 50 ohm                                                                      |             |

**3. DIMENSIONS:**

MARKING (Laser)  
 CFM-10600706A  
 Filtronetics, Inc  
 Date Code

UNIT: MM  
 TOLERANCE:  $\pm 0.3$   
 IN/OUT LAND:  $\pm 0.3$ MM

## 4. Recommended Layout:



TOP VIEW