

# SPECIFICATION

## COMMERCIALLY AVAILABLE

**CERAMIC BAND PASS**  
**PART NUMBER: CF-09000206**

4/5/16 Changed plot

| ISSUED / REVISION       | ENGINEER APPROVED | DOCUMENT CHECKED | DRAFTSMAN | DOCUMENT CHECKED |
|-------------------------|-------------------|------------------|-----------|------------------|
| 3/29/16 <sup>(kn)</sup> |                   |                  |           |                  |
| 4/5/16 <sup>(kn)</sup>  |                   |                  |           |                  |
|                         |                   |                  |           |                  |

***FILTRONETICS Inc***

### 1. APPLICATION

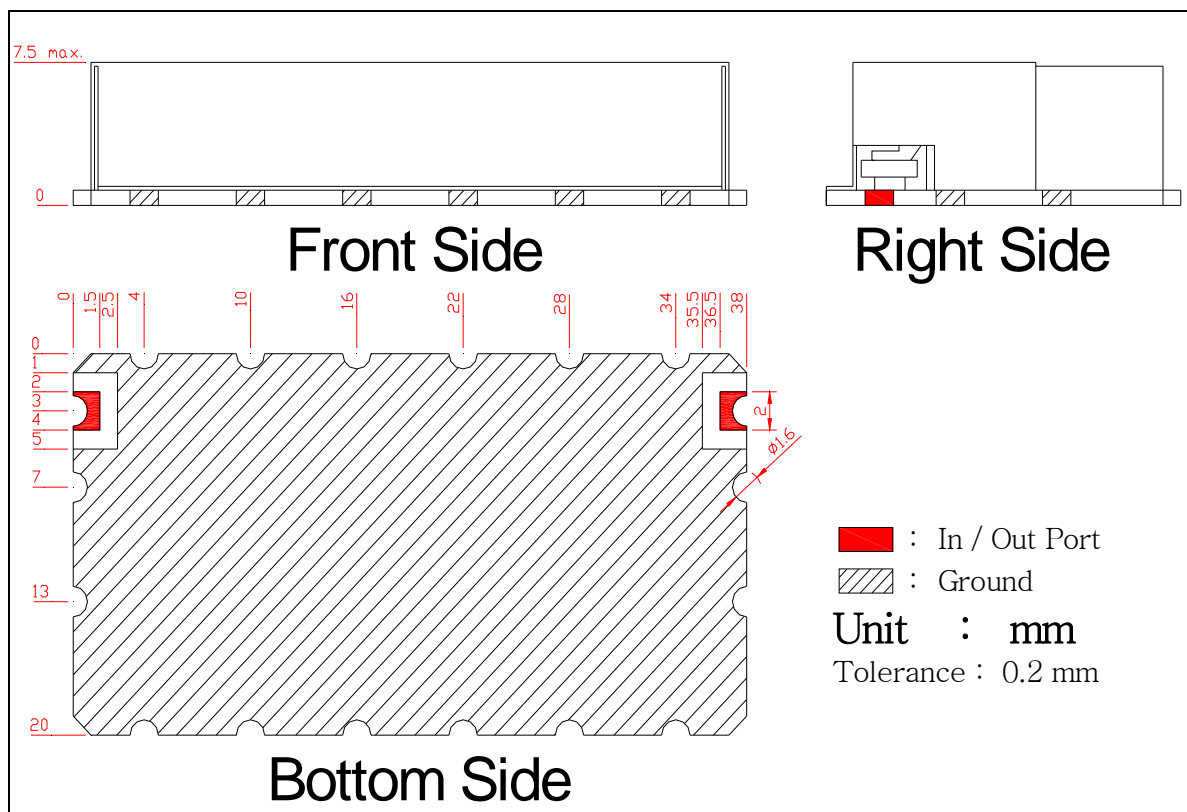
THIS SPECIFICATION APPLIES TO A BAND PASS FILTER, USING DIELECTRIC RESONATORS.

### 2. PART NUMBER: CF-0900206

### 3. SPECIFICATIONS:

| No. | Parameter             | Unit | Specification        |
|-----|-----------------------|------|----------------------|
| 1   | Center Frequency      | MHz  | 900                  |
| 2   | Bandwidth             | MHz  | 890~910 (Fo ±10 MHz) |
| 3   | Insertion Loss in BW  | dB   | 3.0 max.             |
| 4   | Flatness in BW        | dB   | 1.0 max.             |
| 5   | Return Loss in BW     | dB   | 15.0 min.            |
| 6   | Attenuation           | dB   | 50 min. @ 860 MHz    |
|     |                       |      | 50 min. @ 940 MHz    |
| 7   | Input Power           | W    | 2 W max.             |
| 8   | IN/OUT Impedance      | Ω    | 50                   |
| 9   | Operating Temperature | °C   | -30 ~ +75            |

### 4. DIMENSIONS:



## 5. SIMULATION:

