

# **SPECIFICATION**

## **COMMERCIALLY AVAILABLE**

**CERAMIC BAND PASS**  
**PART NUMBER: CF-09401204**

**RoHS**

| <b>ISSUED /<br/>REVISION</b> | <b>ENGINEER<br/>APPROVED</b> | <b>DOCUMENT<br/>CHECKED</b> | <b>DRAFTSMAN</b> | <b>DOCUMENT<br/>CHECKED</b> |
|------------------------------|------------------------------|-----------------------------|------------------|-----------------------------|
| 10/16/17 <sup>(kn)</sup>     |                              |                             |                  |                             |
|                              |                              |                             |                  |                             |
|                              |                              |                             |                  |                             |

***FILTRONETICS Inc***

## 1. APPLICATION

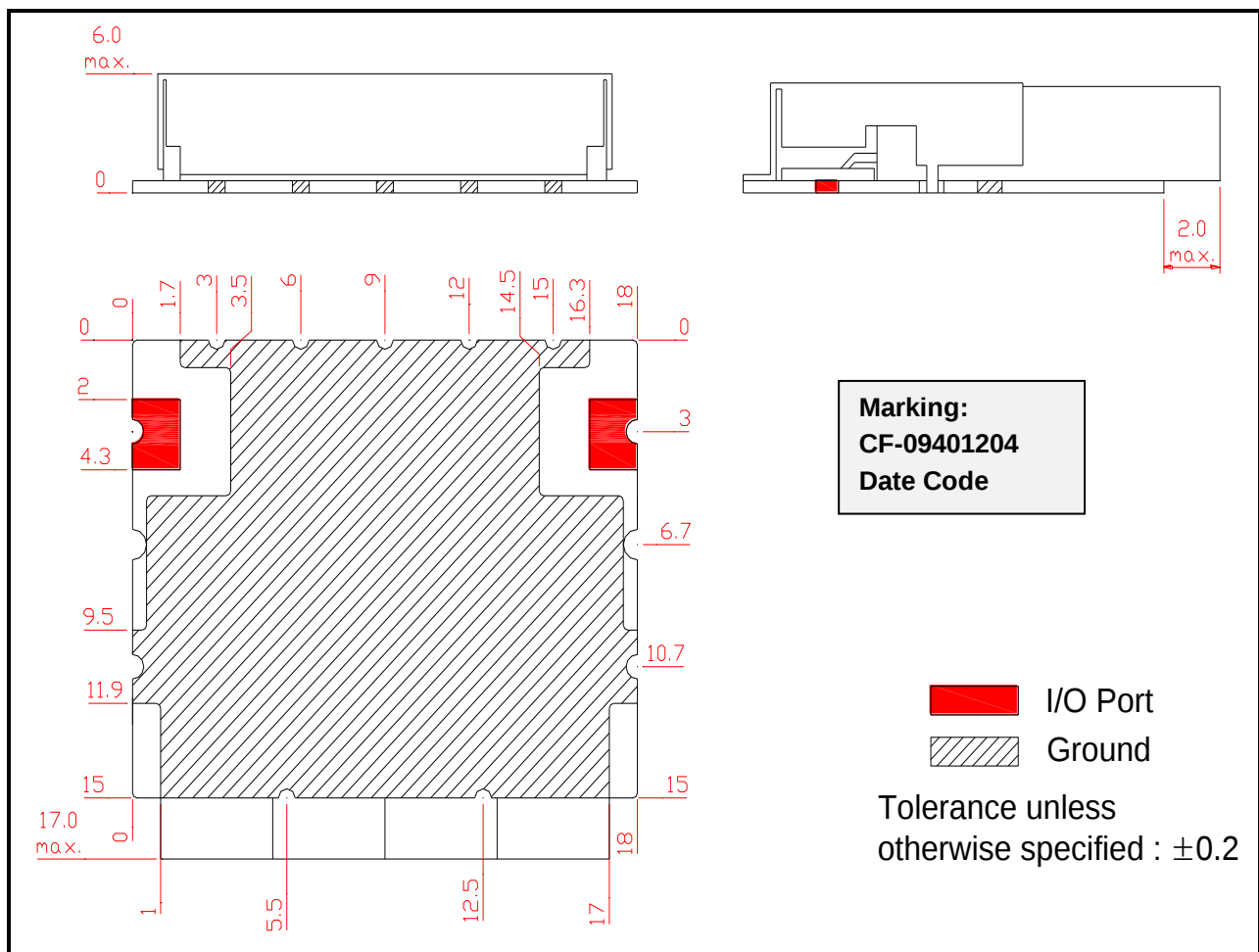
THIS SPECIFICATION APPLIES TO A BAND PASS FILTER, USING DIELECTRIC RESONATORS.

## 2. PART NUMBER: CF-09401204

## 3. SPECIFICATIONS:

| No. | Parameter                | Unit               | Specification                           |
|-----|--------------------------|--------------------|-----------------------------------------|
| 1   | Center Frequency         | MHz                | 940                                     |
| 2   | Pass-Band Bandwidth (BW) | MHz                | $F_c \pm 60$ (880~1000 MHz)             |
| 3   | Insertion Loss in BW     | dB                 | 2.0 max.                                |
| 4   | Return Loss in BW        | dB                 | 14.0 min.                               |
| 5   | Attenuation              | dB                 | 40 min. @ 720 MHz<br>40 min. @ 1300 MHz |
| 6   | Input Power              | W                  | 1 max. (+30 dBm)                        |
| 7   | IN/OUT Impedance         | $\Omega$           | 50                                      |
| 8   | Operating Temperature    | $^{\circ}\text{C}$ | -5 ~ +55                                |

## 4. DIMENSIONS:



## 5. SIMULATION GRAPH:

