

# **SPECIFICATION**

## **COMMERCIALLY AVAILABLE**

**SAW BAND PASS**  
**PART NUMBER: SF1140040**

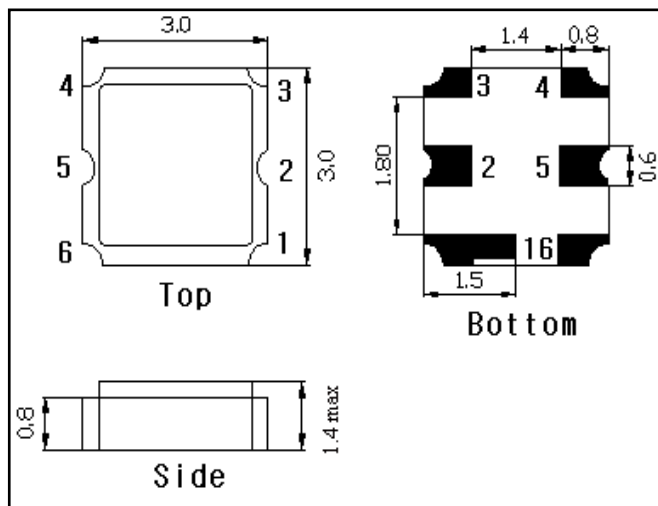
**RoHS**

| ISSUED / REVISION        | ENGINEER APPROVED | DOCUMENT CHECKED | DRAFTSMAN |
|--------------------------|-------------------|------------------|-----------|
| 10/25/16 <sup>(kn)</sup> |                   |                  |           |
|                          |                   |                  |           |
|                          |                   |                  |           |

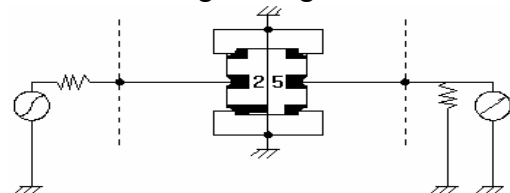
***FILTRONETICS Inc***

**1. Electrical Specifications:**

| Item                                          | Unit     | Condition          | Min    | Typ | Max |
|-----------------------------------------------|----------|--------------------|--------|-----|-----|
| Center Frequency                              | MHz      | Fo                 | 1140.0 |     |     |
| Pass Band Width                               | MHz      | 1120.0 ~ 1160.0    | 40.0   |     |     |
| Insertion Loss                                | dB       | Pass Band          | -      | 3.0 | 4.5 |
| Ripple Deviation                              | dB       | Pass Band          | -      | 1.7 | 2.5 |
| Stop Band Rejection<br>(Absolute Attenuation) | dB       | DC ~ 1020.0 MHz    | 45     | 55  | -   |
|                                               |          | 1209.0 ~ 1235.0MHz | 35     | 45  | -   |
|                                               |          | 1305.0 ~ 1505.0MHz | 45     | 55  | -   |
| I/O VSWR                                      | -        | Pass Band          | -      | 1.8 | 2.5 |
| Maximum DC Voltage                            | V        | 3                  |        |     |     |
| Maximum Input Power                           | dBm      | 10                 |        |     |     |
| Terminating Impedance                         | $\Omega$ | 50                 |        |     |     |
| Operating Temperature                         | °C       | -30 ~ +85          |        |     |     |
| Storage Temperature                           | °C       | -40 ~ +85          |        |     |     |

**2. Dimension:**

Marking:  
SF1140040  
Date Code

**Matching Configuration**

No Matching Required  
Source / Load Impedance = 50 $\Omega$   
Ambient Temperature = 25°C

**3. Simulation:**