

# **SPECIFICATION**

## **COMMERCIALY AVAILABLE**

**BALANCED SAW BAND PASS**  
**PART NUMBER: SF1516040**

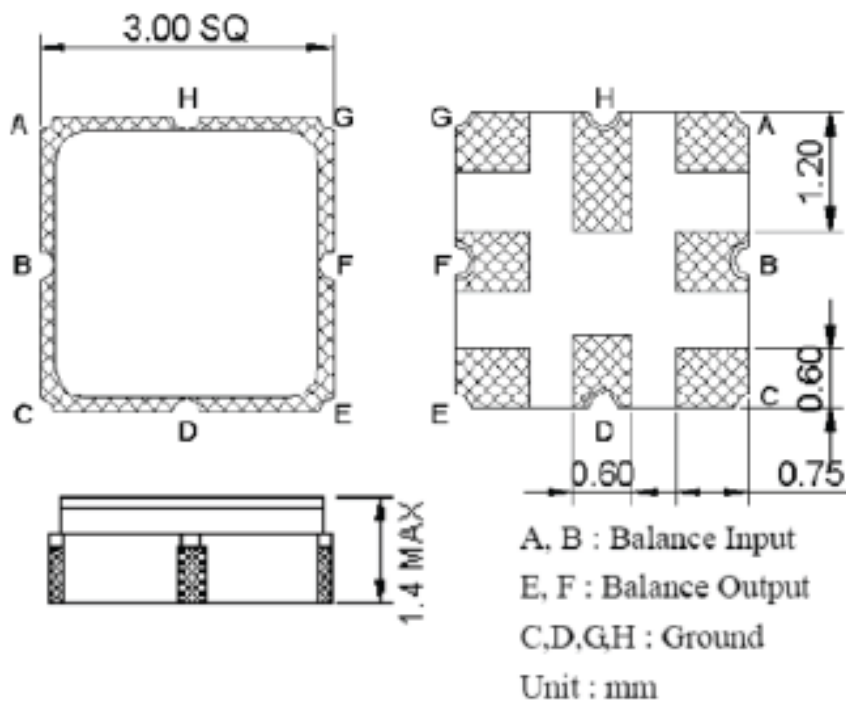
<b>ISSUED / REVISION</b>	<b>ENGINEER APPROVED</b>	<b>DOCUMENT CHECKED</b>	<b>DRAFTSMAN</b>
10/23/2020 <sup>(ASM)</sup>	12/21/2020 <sup>(TG)</sup>		

***FILTRONETICS Inc***

## 1. Electrical Specifications:

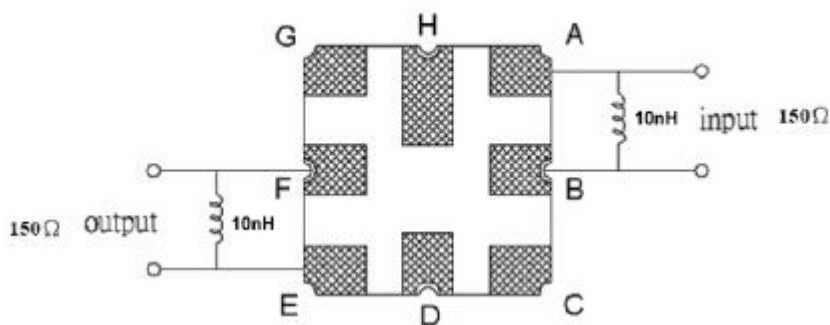
Index	Unit	Min	Typical	Max
Center Frequency Fc	MHz	-	1516.00	-
Insertion Loss (1496 ~ 1536 MHz)	dB	-	3.3	5.0
Amplitude Ripple (1496 ~ 1536 MHz)	dB	-	0.6	2.0
VSWR (1496 ~ 1536 MHz)	-	-	1.8	2.5
Group Delay Ripple(1496 ~ 1536 MHz)	ns	-	9	25
<b>Attenuation</b>				
10 ~ 860 MHz	dB	55	70	-
860 ~ 1100 MHz	dB	46	70	-
1100 ~ 1423.9 MHz	dB	40	56	-
1608.4 ~ 1724.6 MHz	dB	33	39	-
1724.6 ~ 2000 MHz	dB	40	54	-
2000 ~ 2250 MHz	dB	36	52	-
2250 ~ 6000 MHz	dB	15	20	-
Input Power Level	dBm	-	-	10
DC Voltage	V	-	-	3
Operating Temperature Range	°C	-40	-	85
Storage Temperature Range	°C	-50	-	125
Impedance (Source / Load)	Ω	150 Ω // 10 nH / 150 Ω // 10 nH		
Temperature Coefficient	ppm/°C	-36		
Package	mm <sup>3</sup>	3 x 3 x 1.4		

2. Dimension:



Part too small for marking.

3. Matching Configuration:



No Matching required  
 Source / Load Impedance = 50Ω  
 Ambient Temperature = 25°C

#### 4. Response Plots:

