

SPECIFICATION

COMMERCIALLY AVAILABLE

SAW BAND PASS
PART NUMBER: SF0187001
RoHS

12/3/14 Added Temperature & Input Power

4/10/14 Added plots & Matching Configuration values

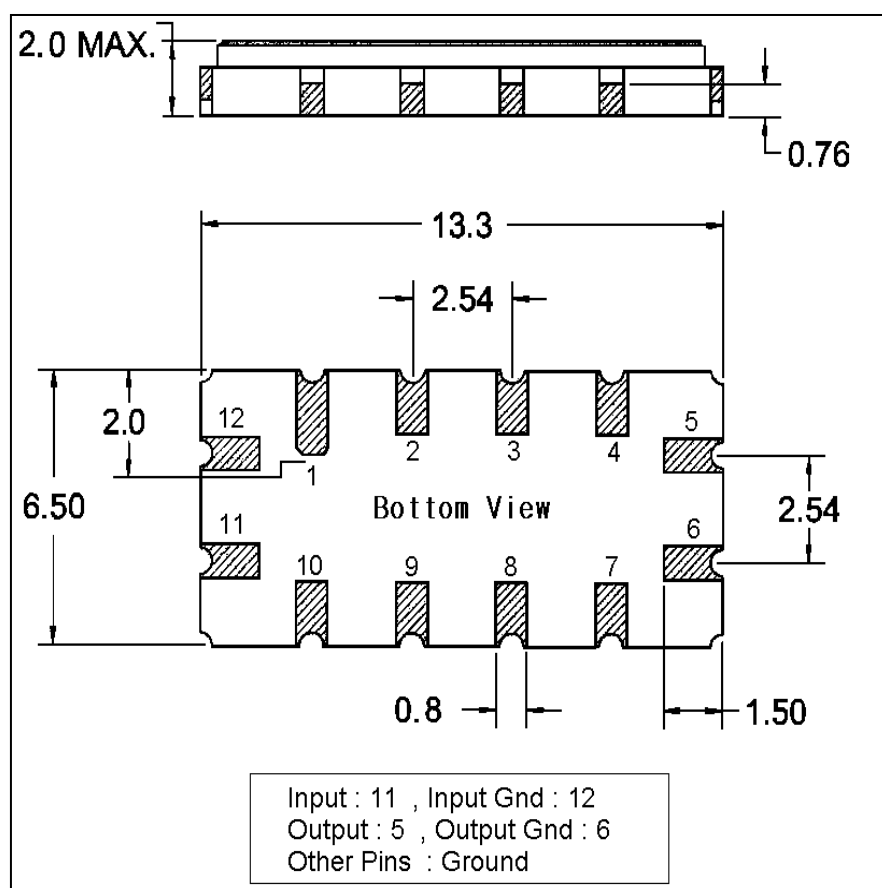
ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
11/7/14 ^(kn)			
12/3/14 ^(kn)			
4/10/15 ^(kn)			

FILTRONETICS Inc

1. Electrical Specifications:

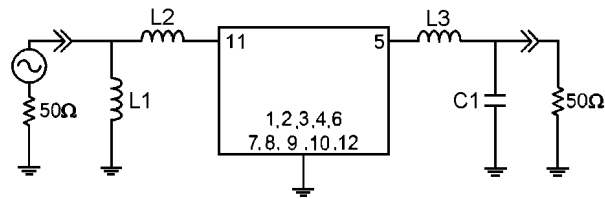
Frequency Characteristics		Minimum	Typical	Maximum
Center Frequency	MHz	187.40-	187.50	187.60-
Insertion Loss	dB	-	11.00	13.00
1dB Bandwidth	MHz	0.70	0.79	-
3dB Bandwidth	MHz	1.05	1.14	-
40dB Bandwidth	MHz	-	2.50	2.70
Ultimate Attenuation	dB	45	53	-
Passband Ripple	dB	-	0.40	1.00
Group Delay Variation	nsec	-	70	150
Absolute Delay	μsec	-	1.82	-
Temperature Coefficient	ppm/°C	-0.03		
Substrate Material	-	-	Quartz	-

2. Dimension:



Marking:
SF0187001
Date Code

Matching Configuration



50Ω Single-ended

$L1 = 18\text{nH}$, $L2 = 27\text{nH}$, $L3 = 68\text{nH}$, $C1 = 36$

Source / Load Impedance = 50Ω

Ambient Temperature = 25°C

3. Plots:

