

SPECIFICATION

COMMERCIALLY AVAILABLE

ITEM: SAW BAND PASS
PART NUMBER: SF0115014

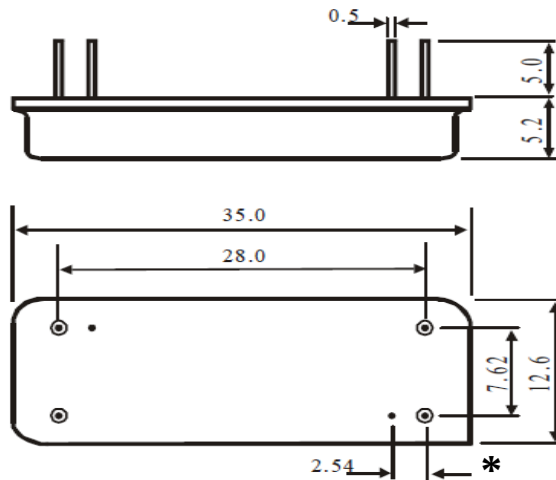
ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN
5/10/13 ^(kn)	05/29/2013 TFG	05/29/2013 TFG	05/29/2013 GL

FILTRONETICS Inc

1. Electrical Specifications:

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	114.9	115	115.1
Insertion Loss	dB	-	24.3	27
1dB Bandwidth	MHz	14.1	14.19	
3dB Bandwidth	MHz	14.2	14.4	
30dB Bandwidth	MHz		15.11	15.2
40dB Bandwidth	MHz		15.22	15.3
50dB Bandwidth	MHz		15.33	15.45
Passband Variation	dB		0.7	1.0
Phase Linearity	degree		5	9
Absolute Delay	usec		3.5	
Ultimate Rejection	dB	50	55	
Substrate Material (temp.	YZLiNbO3 (-10.7KHz/°C)			
Ambient Temperature	25°C			
Package Size	DIP3512			

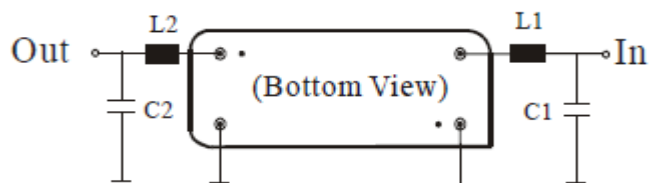
2. Dimension:



Marking:
SF0115014
Date Code

* Note:

Square corner denotes orientation.



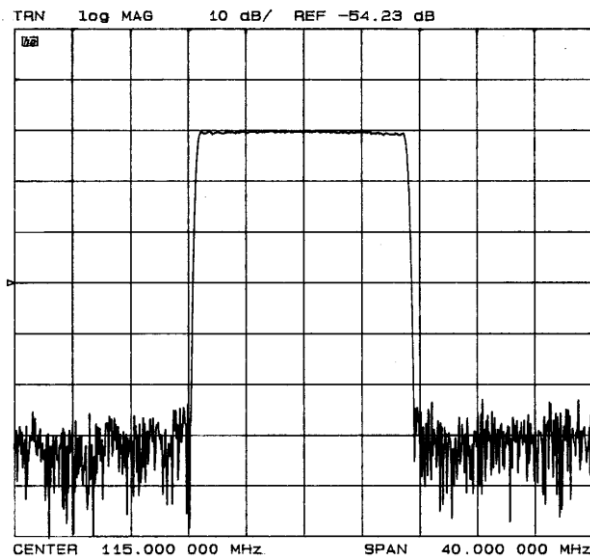
L1=27nH L2=27nH C1=17pf C2=17pf

Source /Load Impedance = 50 Ohm

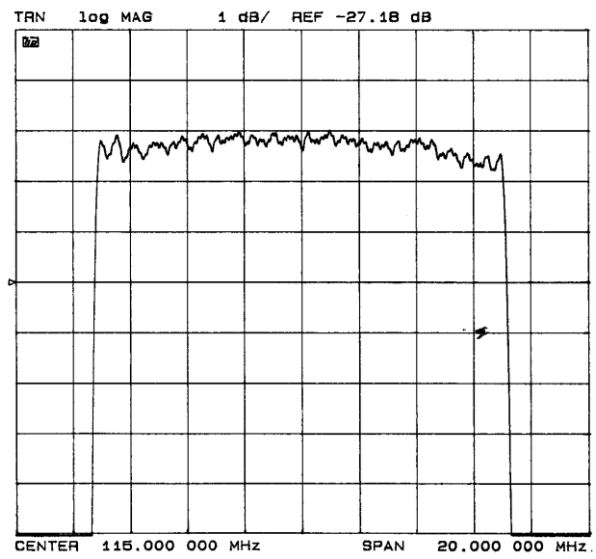
Component values may vary due to actual PBC layout and parasitics

3. Typical Performance:

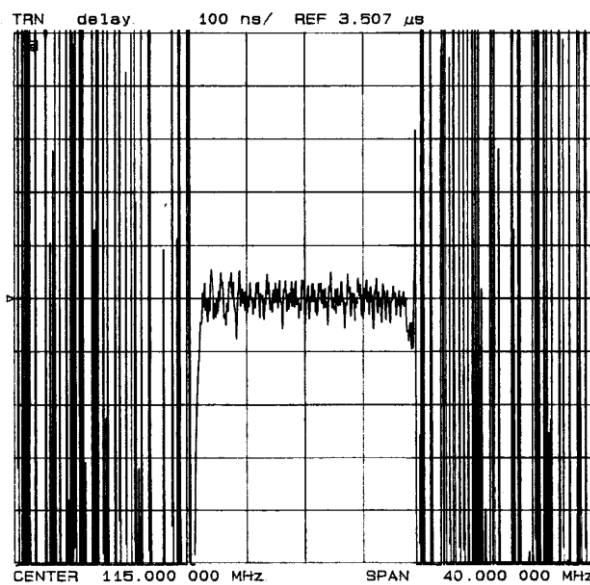
Frequency Response



Passband Response



Group Delay Variation



Phase Linearity

