

SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-10902606

12/12/2023 – Revised Insertion loss, ripple and dimensional changes.

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
11/28/14 ^(kn)				
12/12/23 ^(as)				

FILTRONETICS Inc

1. APPLICATION

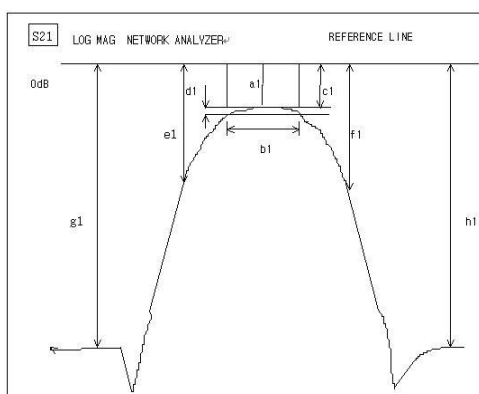
THIS SPECIFICATION APPLIES TO A BAND PASS FILTER, USING DIELECTRIC RESONATORS.

2. PART NUMBER: CF-10902606

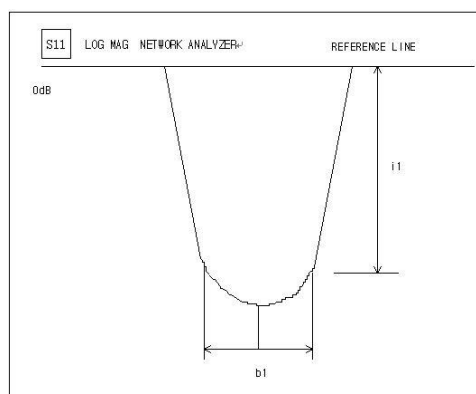
3. SPECIFICATIONS:

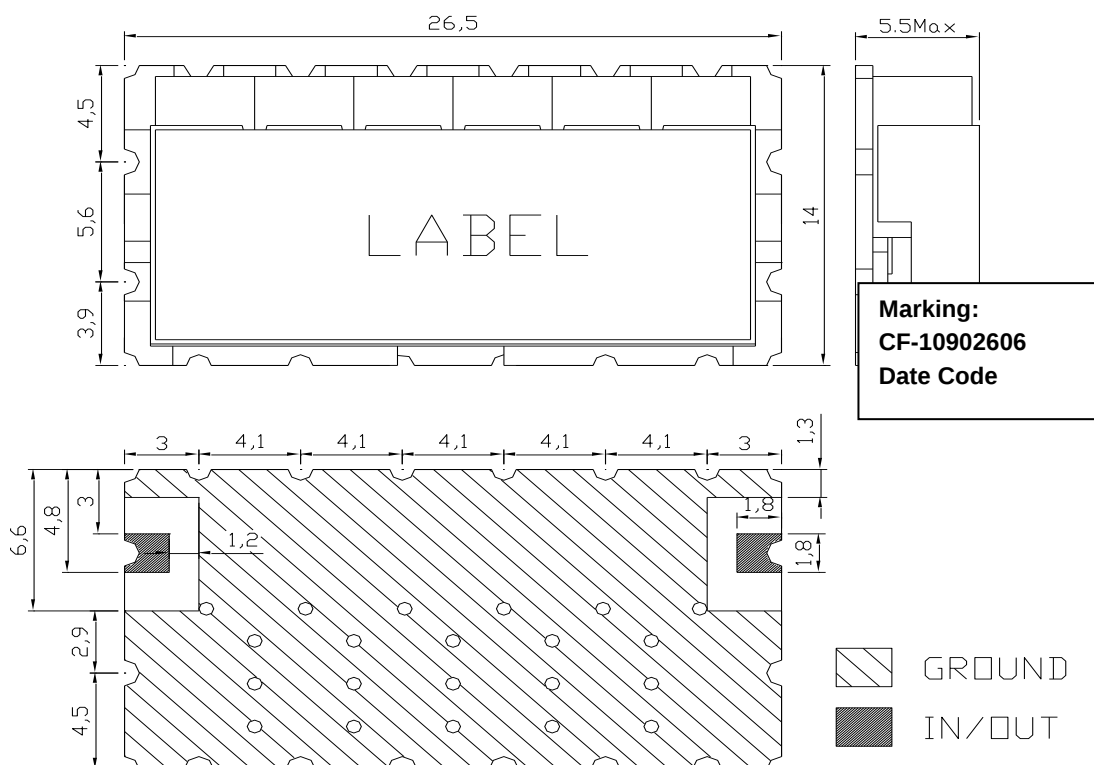
NO	ITEMS		Ref.	SPECIFICATION
1	Center Frequency (Fo)		a1	1090 MHz
2	PASS Band Width (PB)		b1	Fo +/- 130 MHz
3	Insertion Loss	At PB	a1	2.0 dB Max
4	Return Loss			12dB Min
5	RIPPLE			1.0dB Max
6	Attenuation [Absolute Value]	At 650 MHz	-	70dB Min
		At 1600 MHz	-	65dB Min
7	Impedance			50Ω
8	Maximum Input Power			1 W (+30dBm)
9	Operating Temperature Range			-40 - +75°C

S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:**MATERIAL SPECIFICATION**

1. PCB
 - 1) MATERIAL: FR4
 - 2) TERMINALS: Au PLATED
2. METAL CASE
 - 1) COVER MATERIAL: Brass (Sn OR Ni PLATED)
3. RESONATOR : Dielectric Resonator
 - 1) COATING MATERIAL: Ag
 - 2) Number of Poles : 6 Poles
4. ROHS Compliant.

UNIT: MM

TOLERANCE: +/-0.5MM

IN/OUT LAND : +/-0.3MM

LABEL MARKING:

Filtronetics

Part Number: CF-10902606

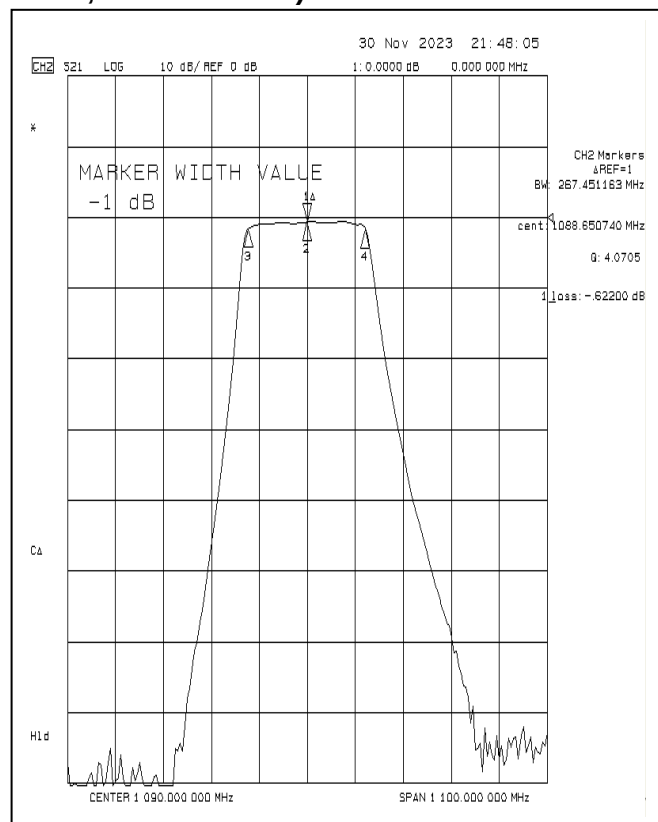
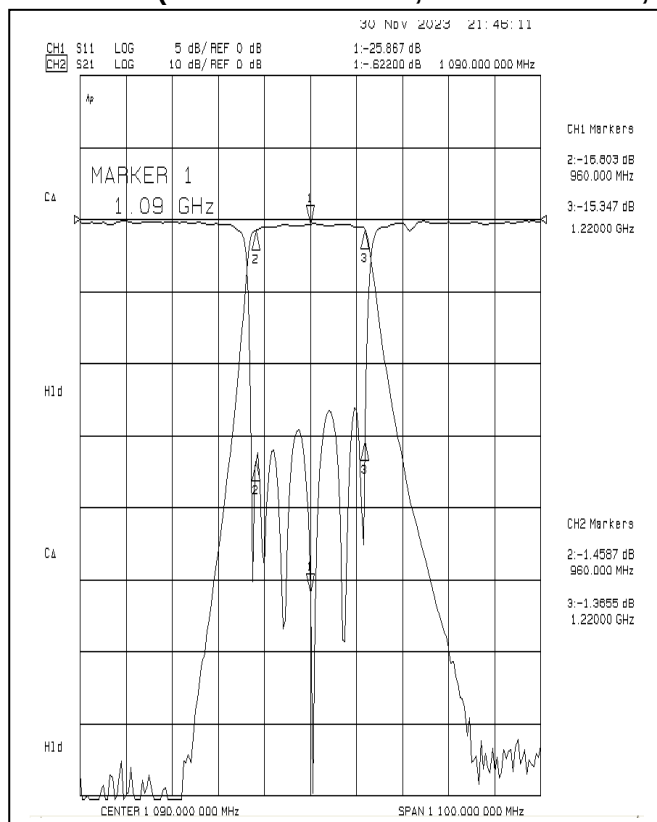
Dale Code: YYWW

CAUTIONS:

1. When handling products, be careful not to damage the outer-electrode.
2. When handling products be careful not to touch the outer-electrode with bare hands or solderability is reduced.
3. Do not apply excessive pressure or shock to product in handling or in transportation or damage to the ceramic filters may result.

5. RESPONSE PLOTS:

S21 vs S11(INSERTION LOSS, RETURN LOSS,V.S.W.R,SMITH CHART)



S21 (ATTENUATION ,OUT BAND ATTENUATION)

