

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-07200204
RoHS

Also available as SMA
 See FNP-1414

9/20/16 Added Group Delay Variation

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
3/29/16 ^(kn)				
9/20/16 ^(kn)				

FILTRONETICS Inc

1. APPLICATION

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

2. PART NUMBER:

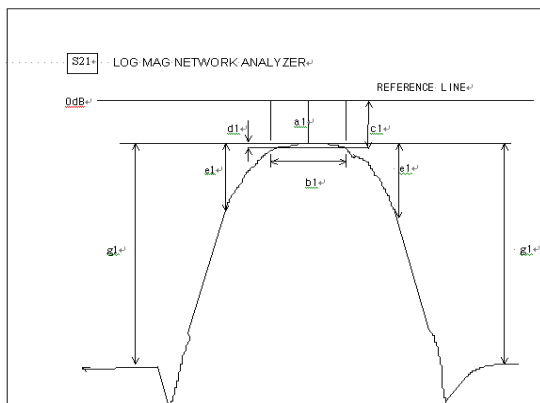
PART NO	CF-07200204
PACKAGING	PLASTIC TRAY

3. SPECIFICATIONS:

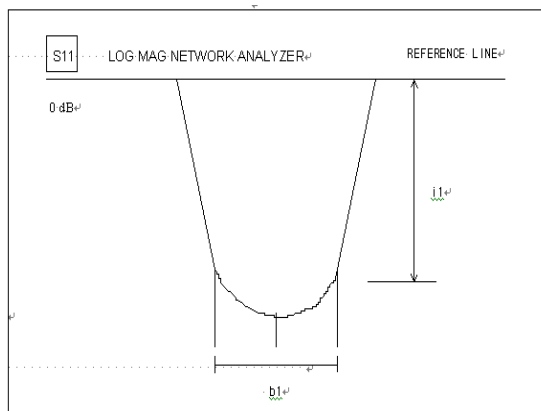
NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fo)	-	720 MHz
2	Pass Band Width(=PB)	-	Fo ±10 MHz
3	Insertion Loss AT Fo	-	3.0 dB Max
4	Attenuation [Absolute Value]	At 580 MHz	70 dB Min
		At 650 MHz	62 dB Min
		At 790 MHz	40 dB Min
5	Ripple IN PB	-	1.0 dB Max
6	Return Loss IN PB	-	12 dB Min
7	Group Delay Variation IN PB **	-	17nsec Max **
8	Impedance	-	50Ω
9	Maximum Input Power	-	1 W (+30dBm)
10	Operating Temperature Range	-	-25 - +75°C

** Added September 20, 2016

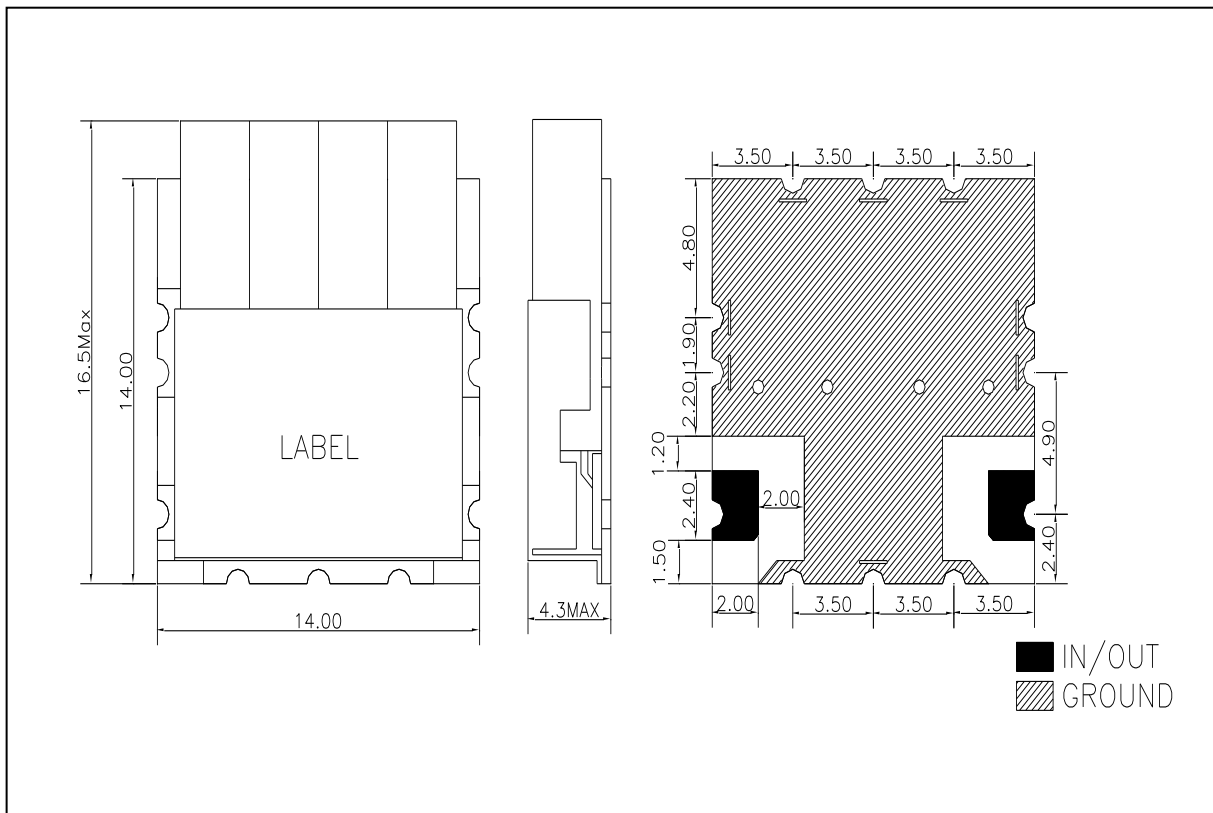
S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:



MATERIAL SPECIFICATION

1. PCB
 - 2) MATERIAL: FR4
 - 3) 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 : 4 Poles
4. ROHS Compliant.

The number of through holes may be changed without notice.

MARKING

Part No
 Filtronetics Inc
 Date Code

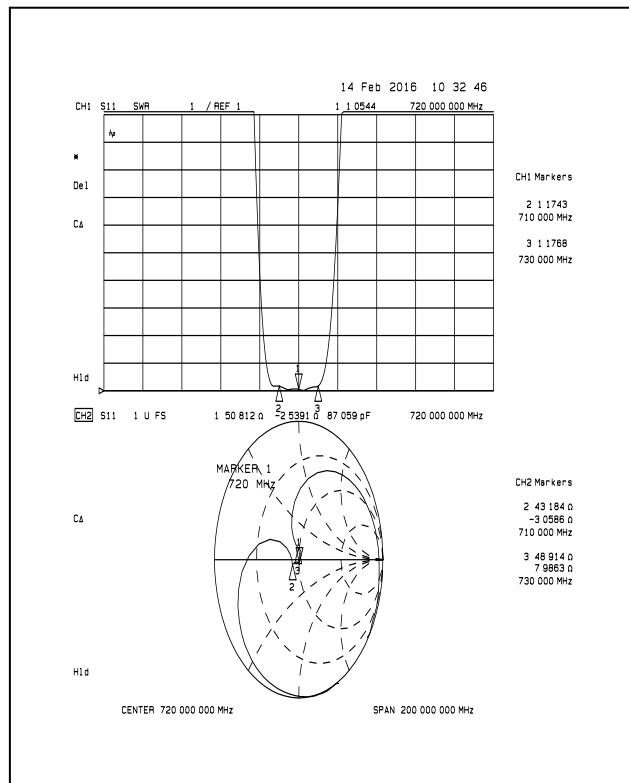
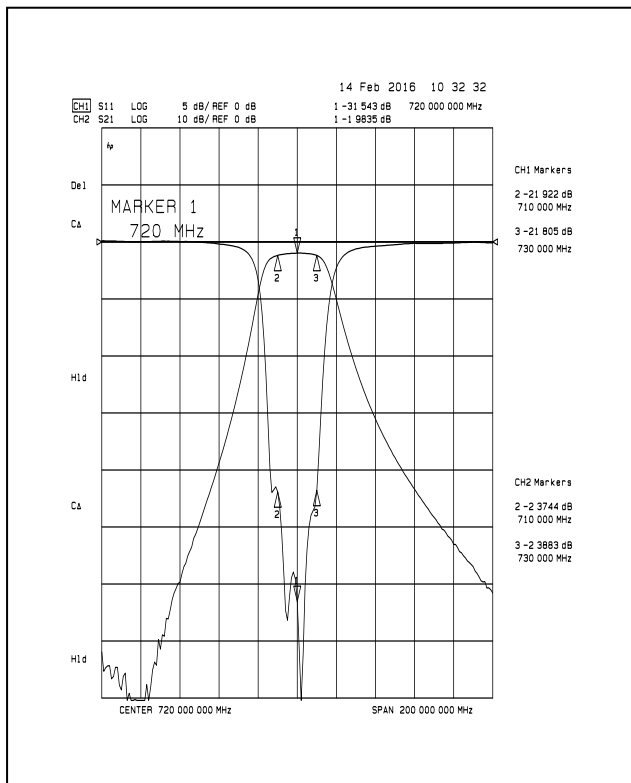
UNIT: MM
 TOLERANCE: +/-0.5MM
 IN/OUT LAND : +/-0.3MM

CAUTIONS:

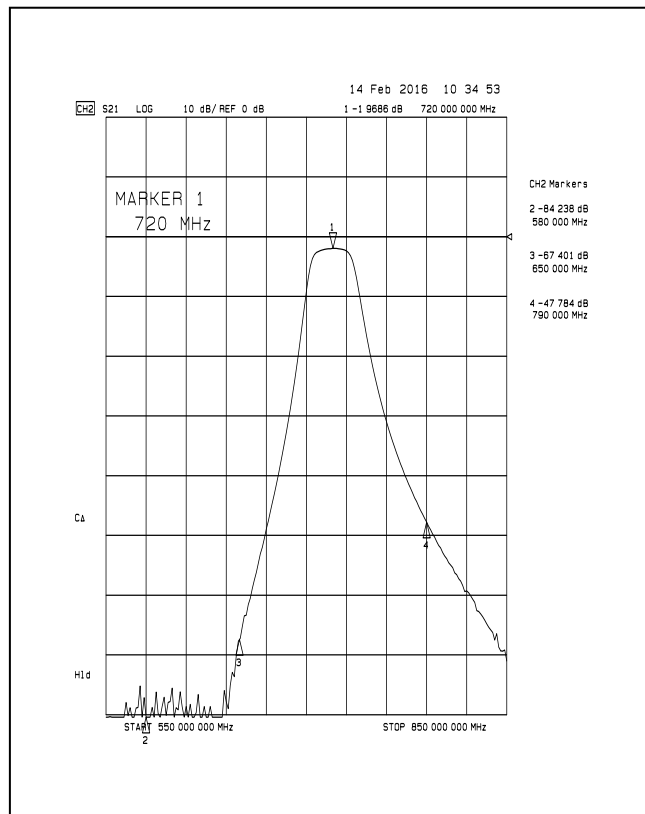
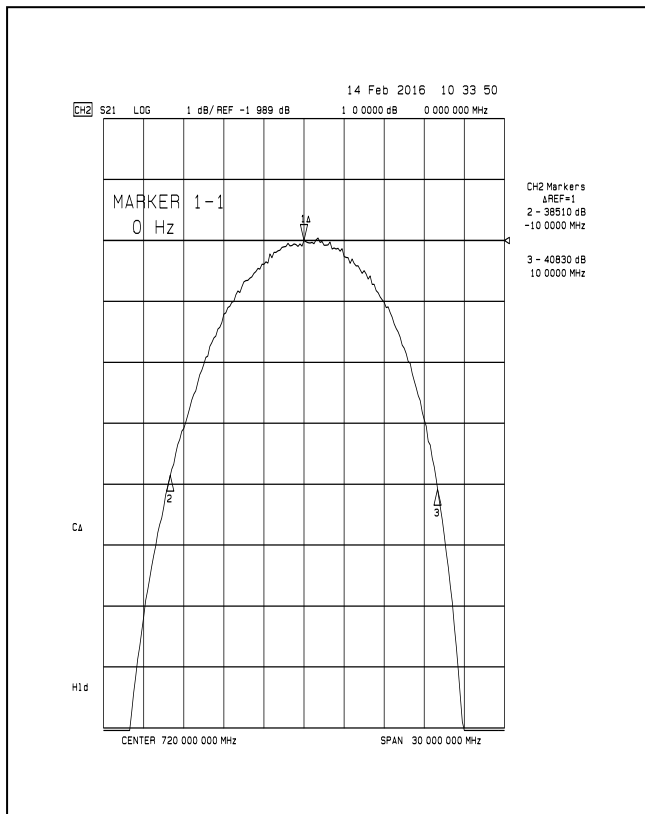
1. When handling products, be careful not to damage the outer-electrode.
2. When handling products be careful not to touch the outer-electrode with bare hands or solderability is reduced.
3. Do not apply excessive pressure or shock to product in handling or in transportation or damage to the ceramic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

5. Graphs:

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



S21 (RIPPLE, ATTENUATION)



S21 (Group Delay) -Added September 20, 2016

