

SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-07204003A
RoHS

Also available as SMA
See FNP-1413

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

FILTRONETICS Inc

1. APPLICATION

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

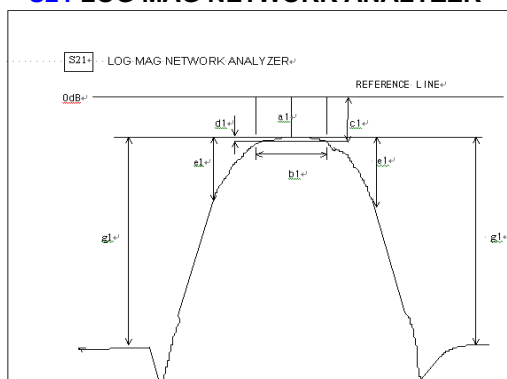
2. PART NUMBER:

PART NO	CF-07204003A
PACKAGING	PLASTIC TRAY

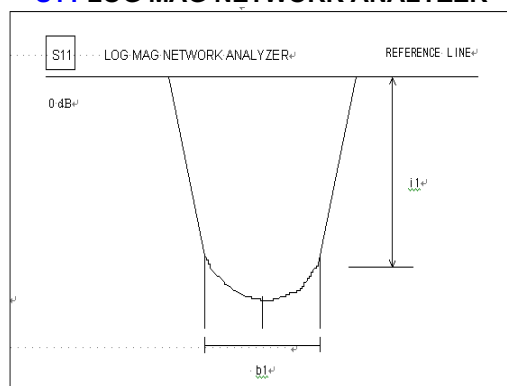
3. SPECIFICATIONS:

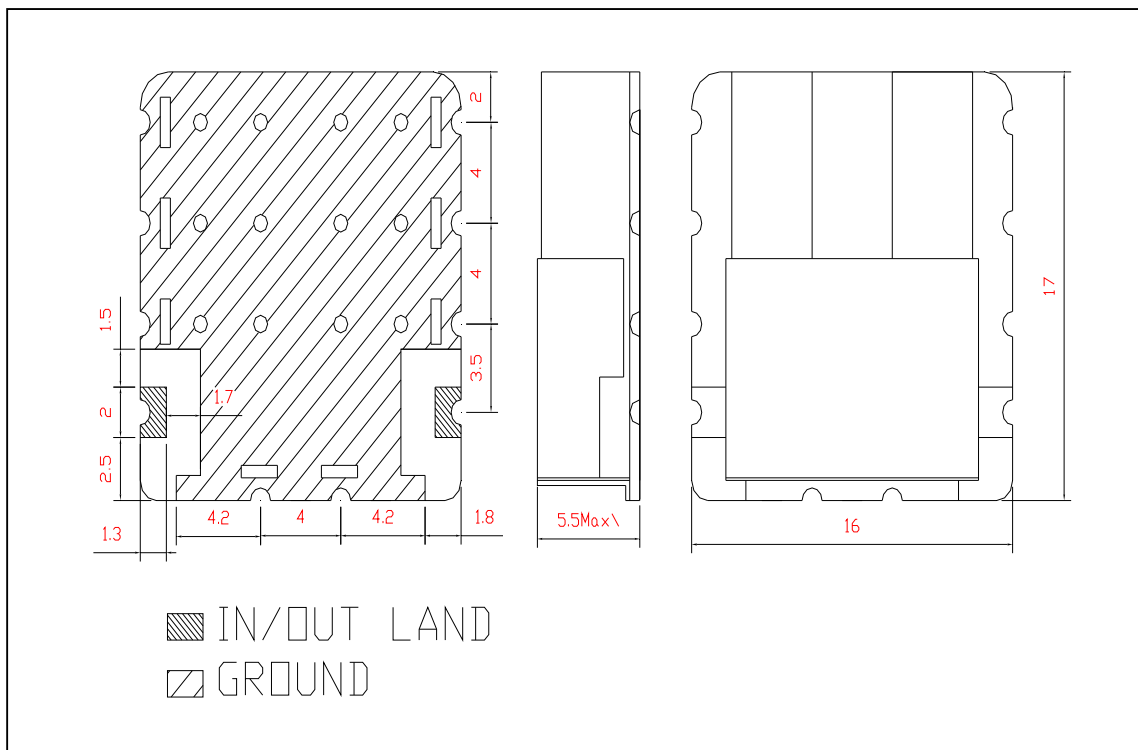
NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fo)	-	720 MHz
2	Pass Band Width(=PB)	-	Fo $\pm$ 200 MHz
3	Insertion Loss AT Fo	-	2.0 dB Max
4	Attenuation [Absolute Value]	At 325 MHz	35 dB Min
		At 1310 MHz	35 dB Min
5	Return Loss IN PB	-	10 dB Min
6	Group Delay Variation IN PB	-	4.0 nsec Max
7	Impedance	-	50 Ω
8	Maximum Input Power	-	1 W (+30dBm)
9	Operating Temperature Range	-	-25 - +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 : 3 Poles
4. ROHS Compliant.

The number of through holes may be changed without notice.

MARKING

Part No
 Filtronetics Inc
 Date Code

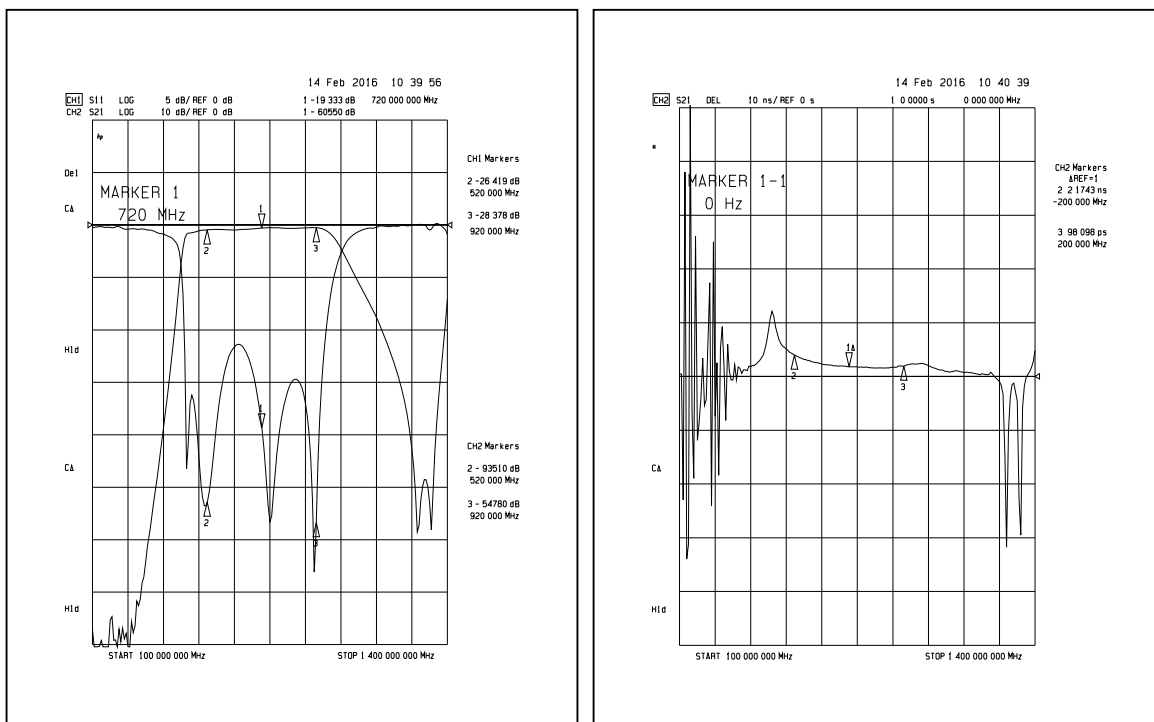
UNIT: MM
 TOLERANCE: +/-0.5MM
 IN/OUT LAND : +/-0.3MM

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, GROUP DELAY)



S21 (ATTENUATION, OUTBAND ATTENUATION)

