

SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-22260014
RoHS

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
12/12/14 ^(kn)				

FILTRONETICS Inc

1. APPLICATION

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

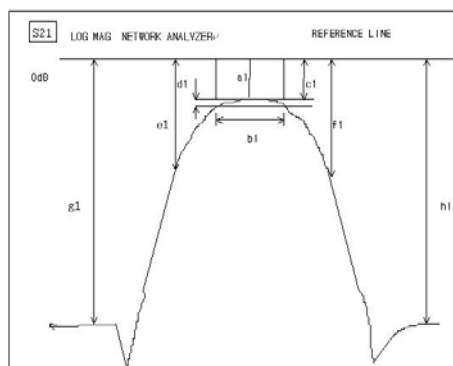
2. PART NUMBER:

PART NO	CF-22260014
PACKAGING	PLASTIC TRAY

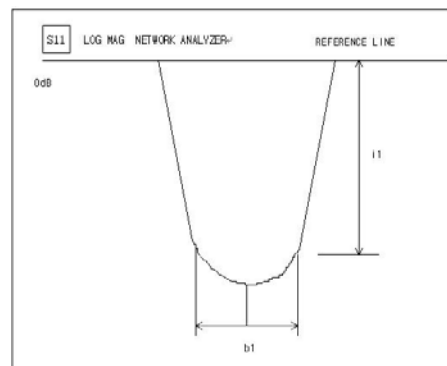
3. SPECIFICATIONS:

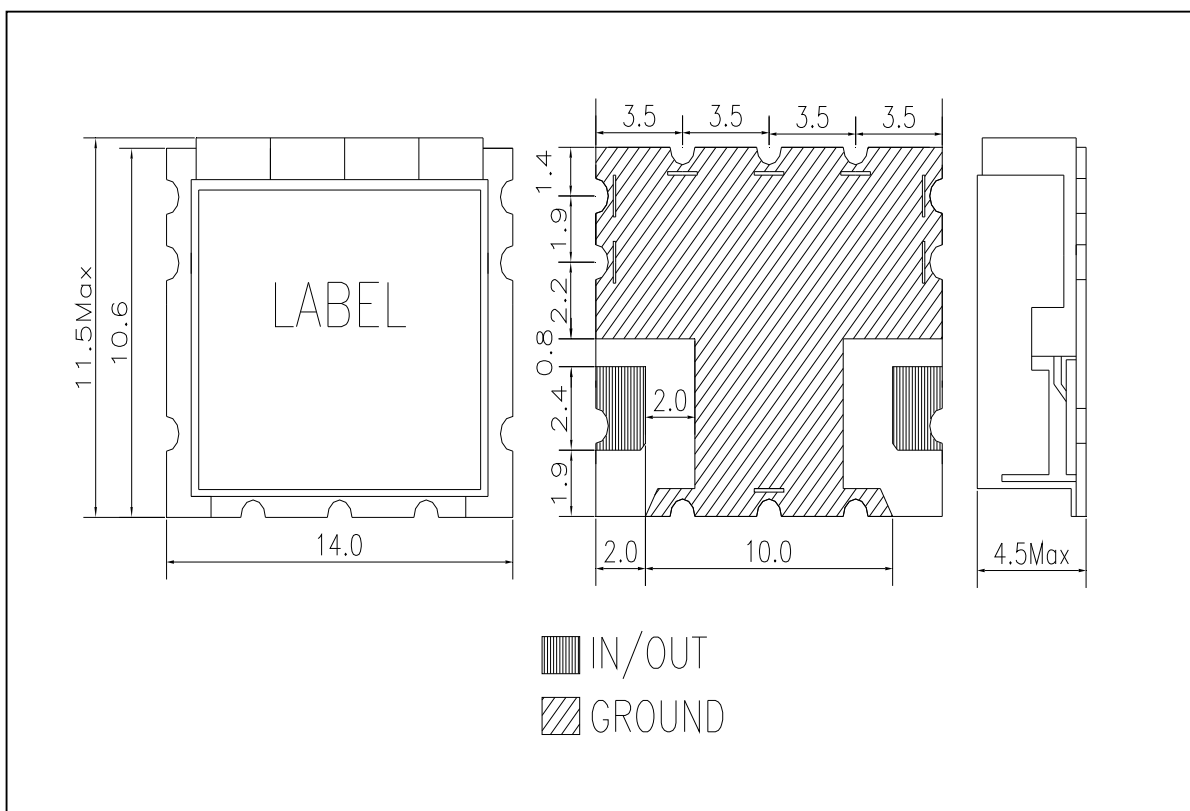
NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fo)	a1	2226.5 MHz
2	Pass Band Width (=PB)	b1	Fo+/-1MHz
3	Insertion Loss AT Fo		5.0 dB Max
4	Attenuation [Absolute Value]	At Fo+2080 MHz	55 dBc Min
		-	-
5	Return Loss IN PB	-	12dB MIN
6	Impedance	-	50Ω
7	Maximum Input Power	-	1 W (+30dBm)
8	Operating Temperature Range	-	-40 ~ +85°C

S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:**MATERIAL SPECIFICATION**

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

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

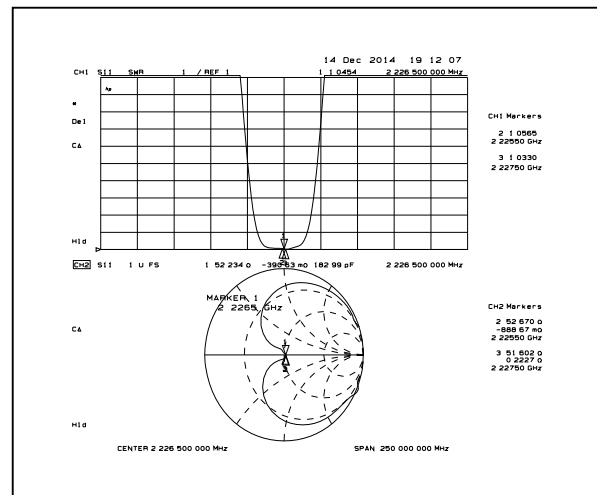
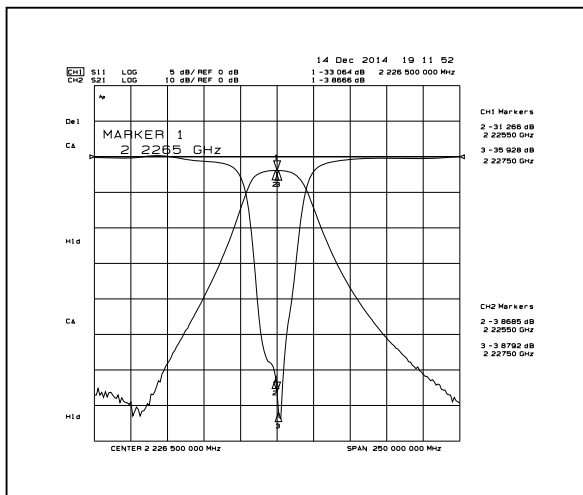
LABEL MARKING
 CF-22260014
 Date Code

CAUTIONS:

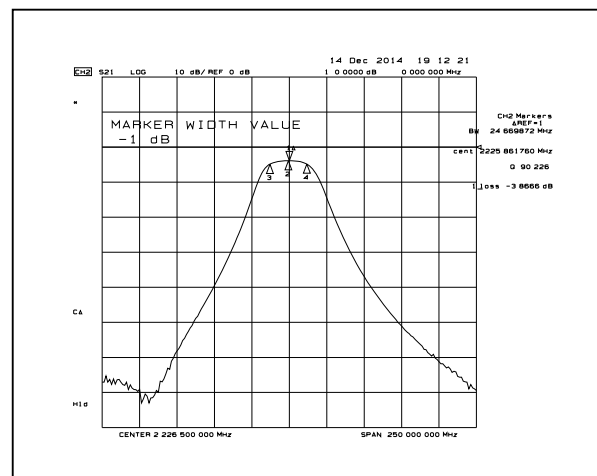
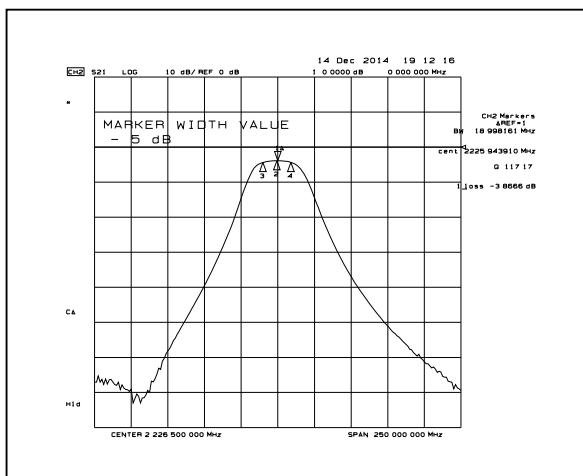
1. When handling products, be careful not to damage the outer-electrode.
2. When handling products be careful not to touch the outer-electrode with bare hands or solderability is reduced.
3. Do not apply excessive pressure or shock to product in handling or in transportation or damage to the ceramic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

5. SIMULATION:

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



S21 (0.5dB, 1.0dB BAND WIDTH)



S21 (3.0dB BAND WIDTH, ATTENUATION)

