

SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-20124759
RoHS

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
10/10/14 ^(kn)				
<i>FILTRONETICS Inc</i>				

1. APPLICATION

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

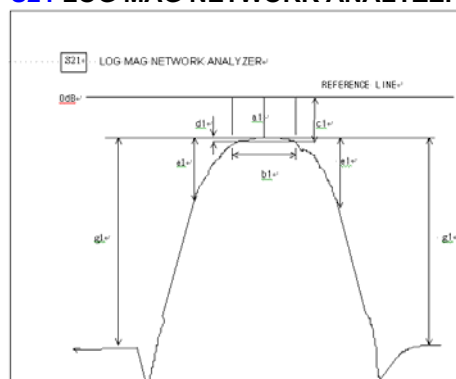
2. PART NUMBER:

PART NO	CF-20124759
PACKAGING	PLASTIC TRAY

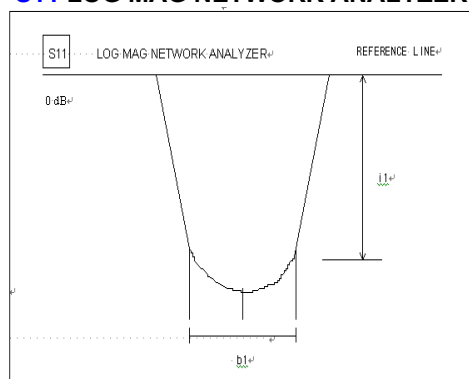
3. SPECIFICATIONS:

NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fo)	-	2012.5 MHz
2	Pass Band Width(=PB)	-	Fo +/-214 MHz
3	Insertion Loss AT Fo	-	2.2 dB Max
4	3.0dB BAND WIDTH	-	475MHz Min
5	40dB BAND WIDTH	-	690MHz Max
6	Return Loss IN PB	-	8.5dB Min
7	Impedance	-	50Ω
8	Maximum Input Power	-	1 W (+30dBm)
9	Operating Temperature Range	-	-25 - +75°C

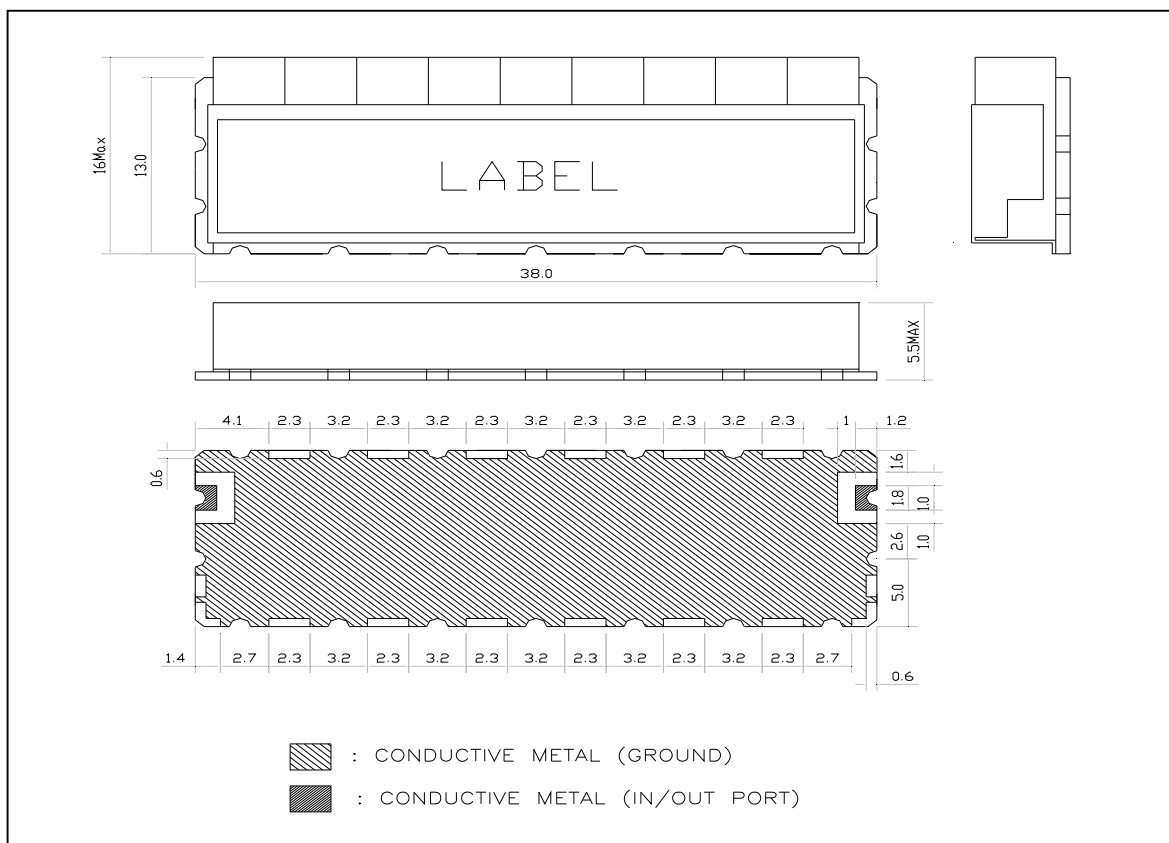
S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:



Mechanical Specification

1. Resonators : Dielectric Resonator
2. Number of Poles : 9 poles
3. Resonator Size : 4mm X 4mm
4. PCB Material : FR-4
5. Input/output Terminals : Au Plated
6. Cover Material : Brass(Tin plated)
7. RoHS Compliant.

Note : The number of through holes may be changed without notice.

MARKING

CF-20124759
Date Code

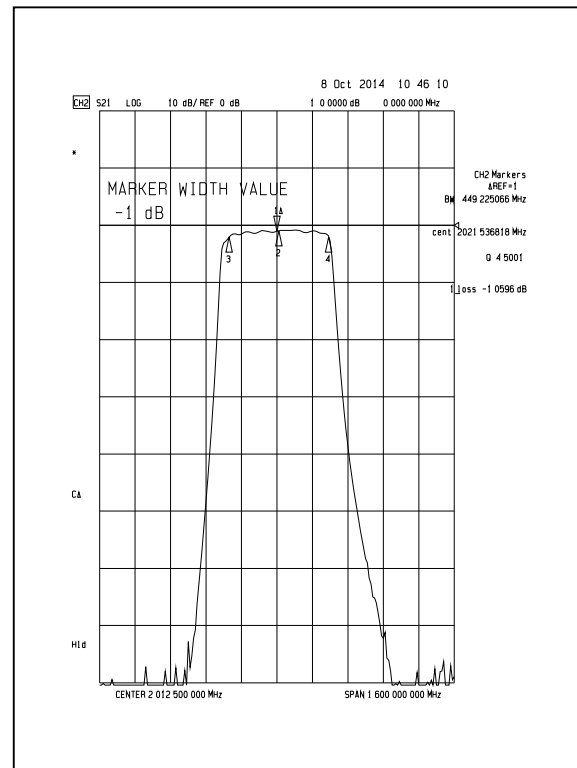
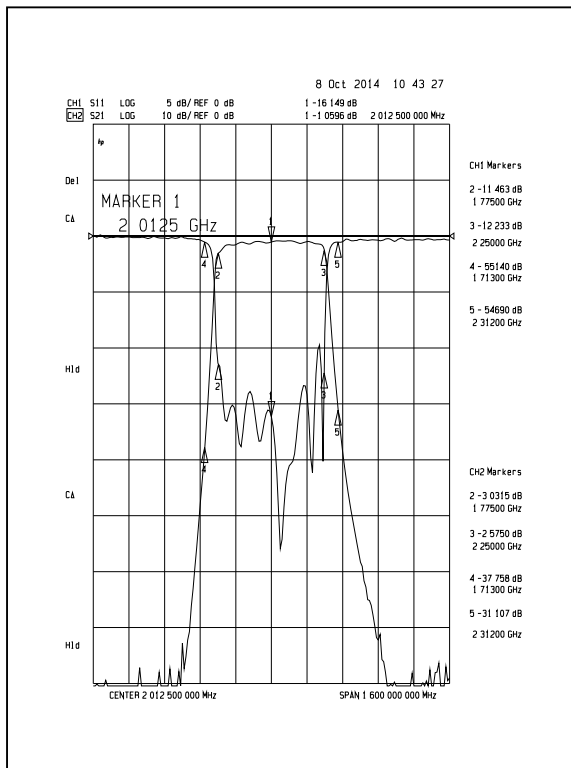
UNIT: MM
TOLERANCE: +/-0.5MM
IN/OUT LAND : +/-0.3MM

- 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. Graph

S21 vs S11 (INSERTION LOSS, RETURN LOSS, 1.0dB Band Width)



S21 (3.0dB Band Width, 40dB Band Width)

