

SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-04400406

RoHS

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
3/6/18 ^(kn)				

FILTRONETICS Inc

1. APPLICATION

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

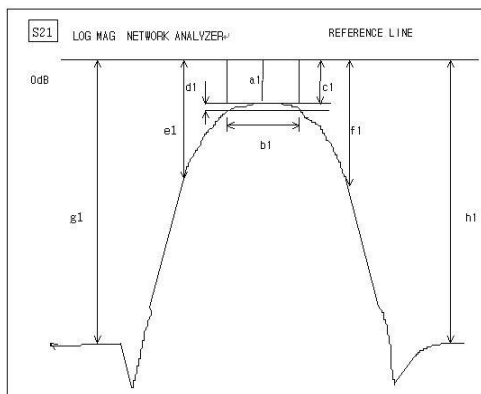
2. PART NUMBER:

PART NO	CF-04400406
PACKAGING	PLASTIC TRAY

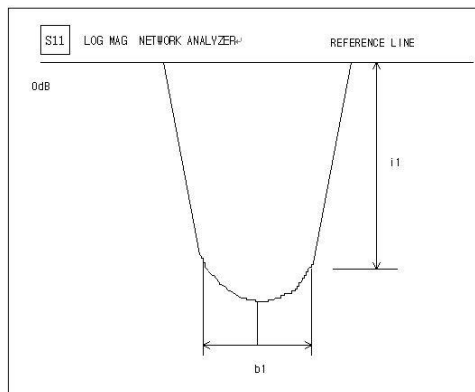
3. SPECIFICATIONS:

NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fo)	a1	440 MHz
2	3.0 dB pass Band Width	-	40 MHz MIN
3	Insertion Loss AT Fo	-	2.5dB Max
4	Attenuation [Absolute Value]	AT DC~225MHz	70 dB Min
		AT 580~900MHz	70 dB Min
5	V.S.W.R AT Fo	-	1.5:1 MAX
6	Impedance	-	50Ω
7	Maximum Input Power	-	1 W (+30dBm)
8	Operating Temperature Range	-	-35 - +85°C

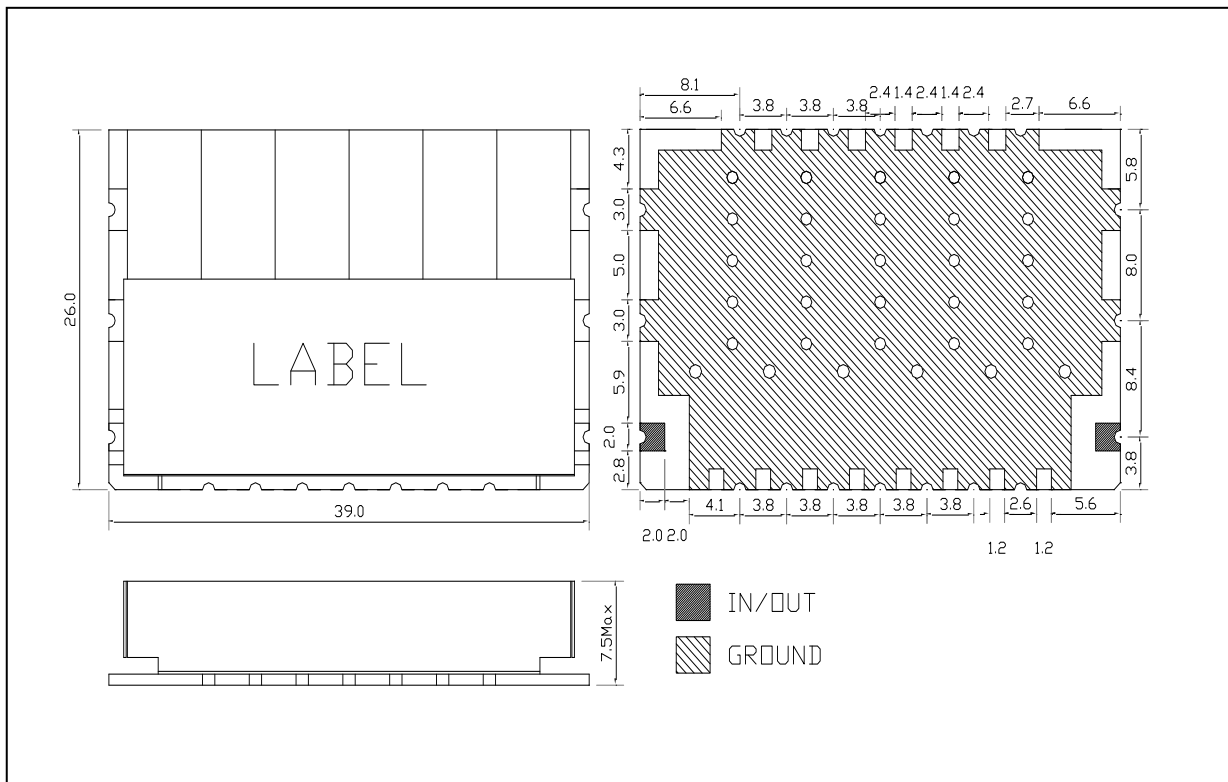
S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:



MATERIAL SPECIFICATION

1. PCB
 - 1) MATERIAL: FR4
 - 2) TERMINALS: Au PLATED
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.

The number of through holes may be changed without notice.

MARKING

Part No
 Filtronetics Inc
 Date Code

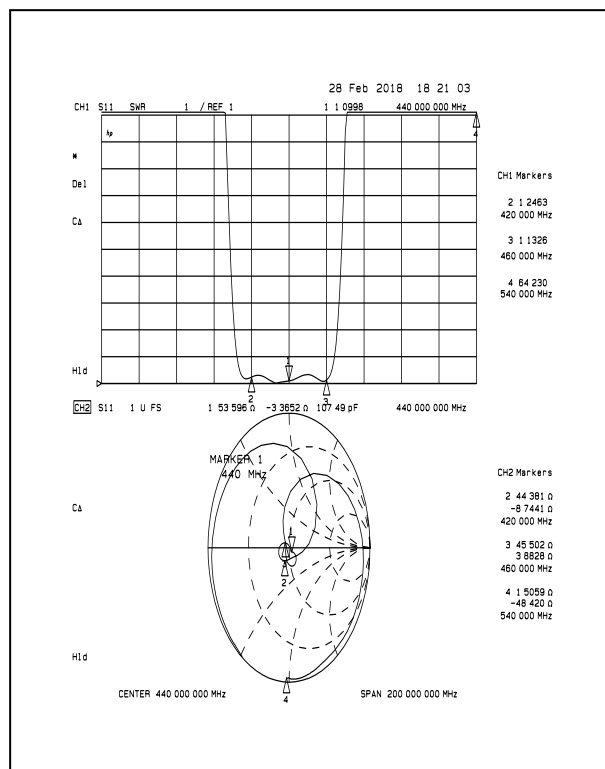
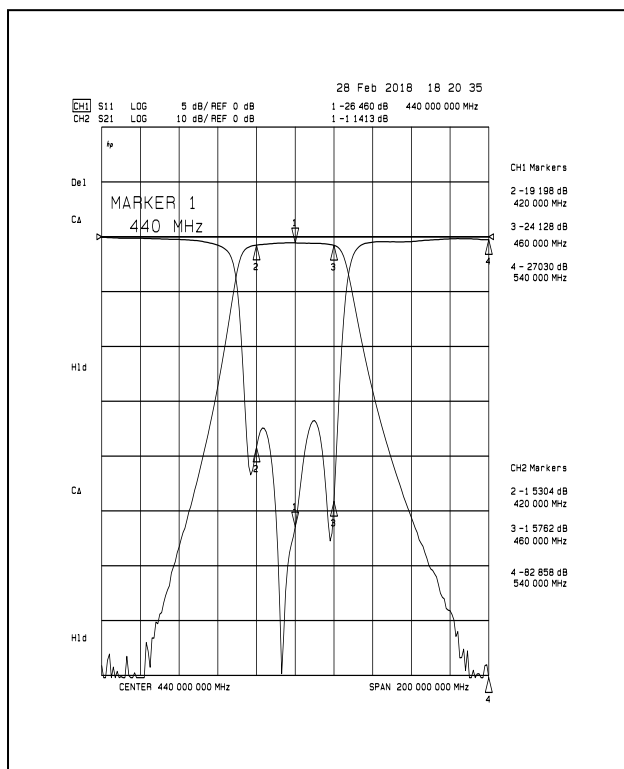
UNIT: MM
 TOLERANCE: +/-0.5MM
 IN/OUT LAND: +/-0.3MM

● **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. SIMULATION GRAPH:

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



S21 (3dB BAND WIDTH , ATTENUATION)

