SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-26000504
NPT

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

***FILTRO**NETICS Inc*

6010 Parretta Dr. Kansas City, MO 64120
(p) 816-231-7375 (f) 816-241-0368
***FILTRO**NETICS, Inc*
www.filtro.net

1. APPLICATION

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

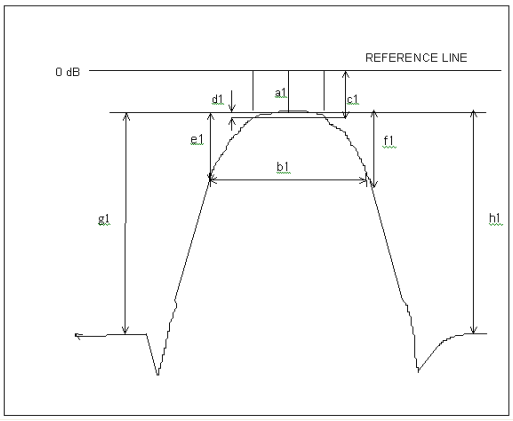
2. PART NUMBER:

PART NO	**CF-26000504**
PACKAGING	**PLASTIC TRAY**

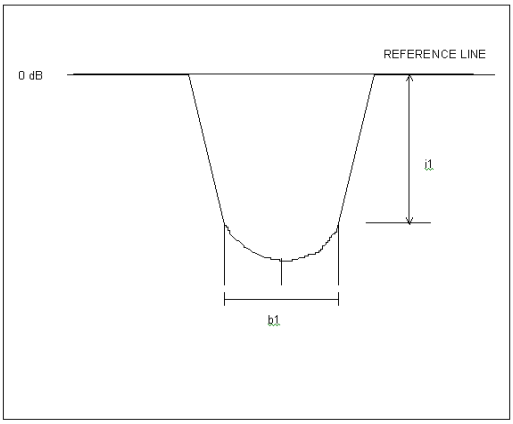
3. SPECIFICATIONS:

NO	ITEMS		Ref.	SPECIFICATION
1	Center Frequency (Fo)		a1	2600 MHz
2	3.0dB Band Width		b1	50 MHz +/-18%
3	Insertion Loss AT Fo		a1	3.9 dB Max
4	V.S.W.R AT Fo+/-20MHz		-	1.75:1 Min
5	Attenuation [absolute value]	At 2550 MHz	-	18 dB Min
		At 2650 MHz	-	15 dB Min
6	Group Delay Variation AT Fo+/-20MHz		-	30ns Max
7	Impedance		-	50Ω
8	Maximum Input Power		-	1 W (+30dBm)
9	Operating Temperature Range		-	-40 ~ +85°C
10	Storage Temperature			-40 ~ +90°C
11	Workmanship		-	IPC-610 class 3
12	Process Temperature		-	+150°C for 1 hour or +230°C for 10 minutes

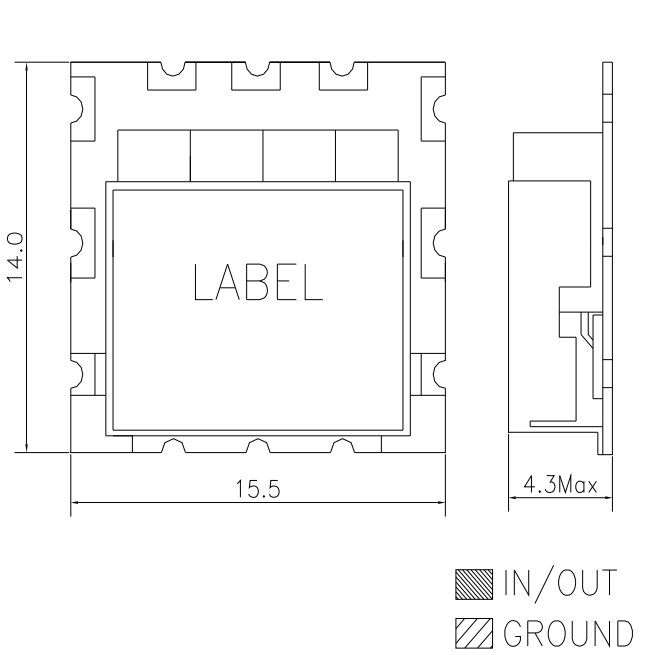
S21 LOG MAG NETWORK ANALYZER



S11 SWR NETWORK ANALYZER



4. DIMENSIONS:



MATERIAL SPECIFICATION

1 PCB

1) MATERIAL: FR4
2) TERMINALS: Sn/Pb, HASL

2. METAL CASE

1) Ag or Ni plated brass

3. RESONATOR

1) COATING MATERIAL: silver plate, 8~30um

4. INTERNAL SOLDER

1) Sn96.5/Ag3.5 Lead Free solder, 221 deg C melting

5. RESONATORS TABS

1) Sn/Pb(9:1) Plated or Ag brass

6. NO PURE TIN ALLOWED

MARKING

Label Material: High temp polyimide

Marking:

PART No
Filtronetics
Date Code

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

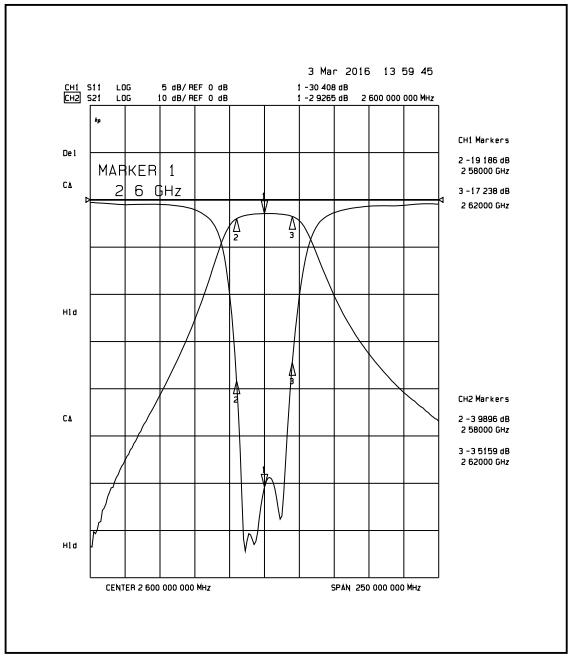
- CAUTIONS:

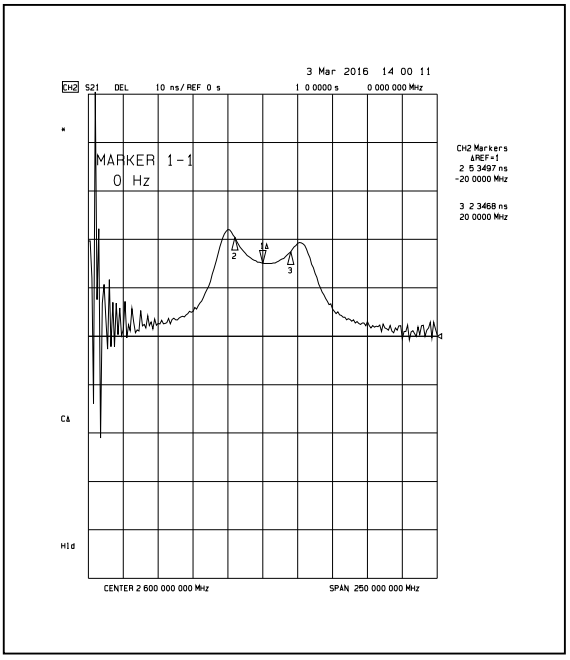
1. When handling products, be careful not to damage the outer-electrode.
2. When handling products be careful not to touch the outer-electrode with bare hands or solder-ability is reduced.
3. Do not apply excessive pressure or shock to product in handling or in transportation or damage to the ceramic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

Quality Conformance Test 100% Final inspection 100% Test Data ***	
1)	Visual mechanical to IPC-610 Class 3. Including inspection for cleanliness.
2)	Thermal Shock -44 to +85°C 10 cycles
3)	Electrical Specifications at ambient

5. SIMULATION:

S21 & S11 (INSERTION LOSS, RETURN LOSS, GROUP DELAY)





S21(2dB BANDWIDTH, ATTENUATION)