

SPECIFICATION

COMMERCIALY AVAILABLE

PART NUMBER: CFN-15003
ITEM: CERAMIC NOTCH FILTER

Revision Made: 8/24/10 revised to change part number

ISSUED	CHECKED	CHECKED	CHECKED
11/18/08 ** 8/24/10 kn	8/25/2010 SRJ	8/26/2010 BF	8/26/2010 GL

1. APPLICATION

THIS SPECIFICATION APPLIES TO BAND PASS FILTER USING DIELECTRIC RESONATORS.

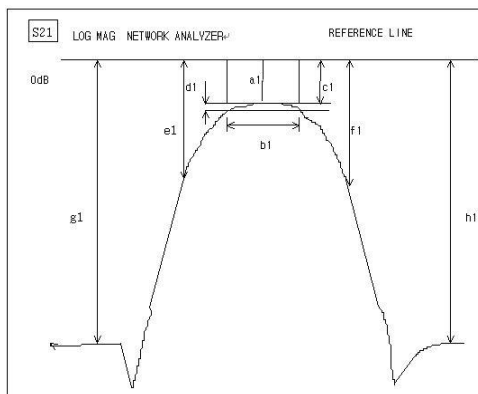
2. Part Number:

PART NUMBER	CFN-15003
PACKAGING	PLASTIC TRAY

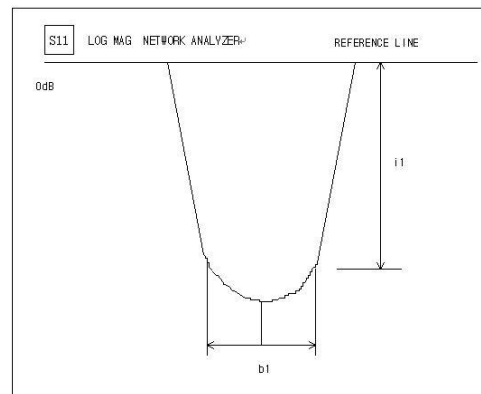
3. SPECIFICATION:

NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fn)	-	1500 MHz
2	Pass Band Low Frequency	-	AT 1000 ~ 1460 MHz
3	Pass Band High Frequency	-	AT 1600 ~ 2500 MHz
4	Insertion Loss	AT 1000 ~ 1460 MHz	2 dB Max
		AT 1600 ~ 2500 MHz	2 dB Max
5	Attenuation [absolute value]	AT 1500 +/- 2.5 MHz	45 dB Min
		AT 1500 +/- 18 MHz	2.5 dB Min
6	Impedance	-	50Ω
7	Maximum Input Power	-	1 W
8	Operating Temperature Range	-	-30 ~ +75 °C

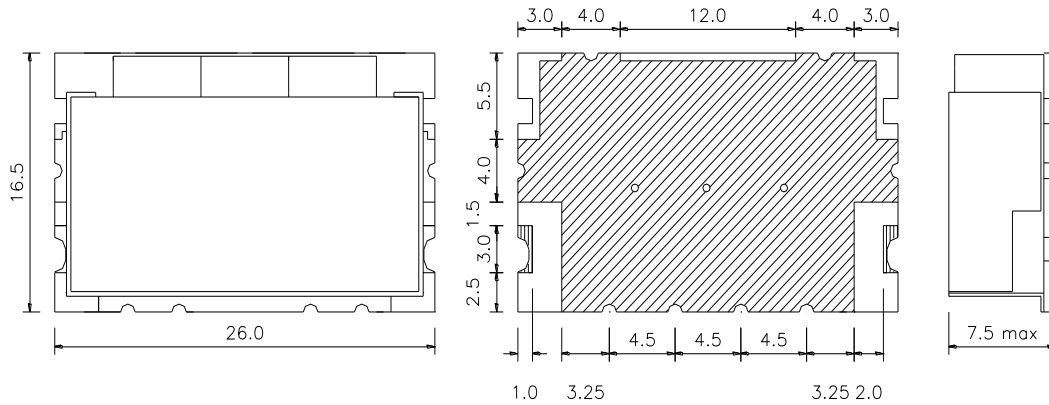
S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:



 : CONDUCTIVE METAL (GROUND)
 : CONDUCTIVE METAL (IN/OUT PORT)

MATERIAL SPECIFICATION	
1.	PCB
1)	MATERIAL: FR4
2)	TERMINALS: Au PLATED
2.	METAL CASE
1)	MATERIAL: Sn OR Ni PLATED
3.	RESONATOR
1)	COATING MATERIAL: Ag
4.	ROHS Compliant

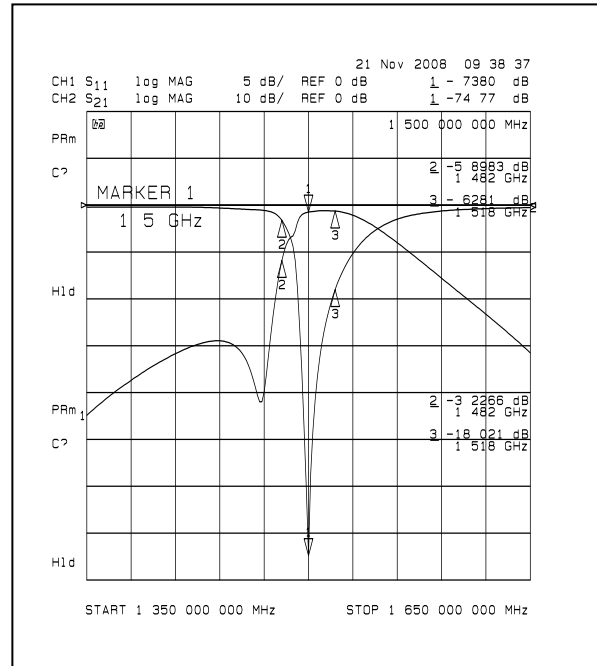
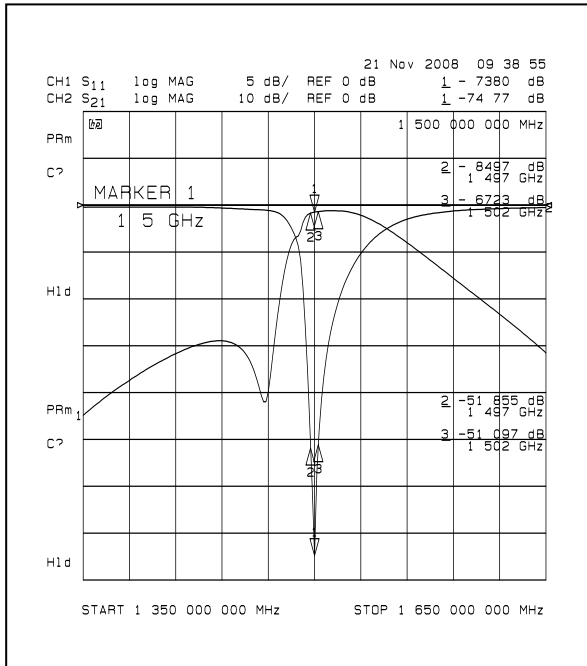
MARKING	
Part No:	CFN-15003
	Filtronetics, Inc
	Date Code
UNIT:	MM
TOLERANCE:	+/-0.5MM
IN/OUT LAND:	+/-0.3MM

● 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 vs. S11 (INSERTION LOSS, RETURN LOSS, ATTENUATION)



S21 (OUT BAND ATTENUATION)

