

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-15750044

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
6/25/15 ^(kn)				

FILTRONETICS Inc

1. APPLICATION

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

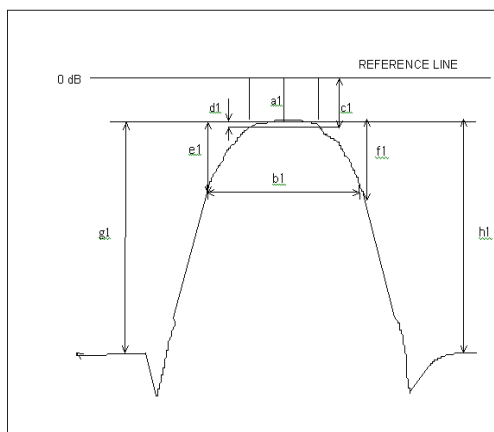
2. PART NUMBER:

PART NO	CF-15750044
PACKAGING	PLASTIC TRAY

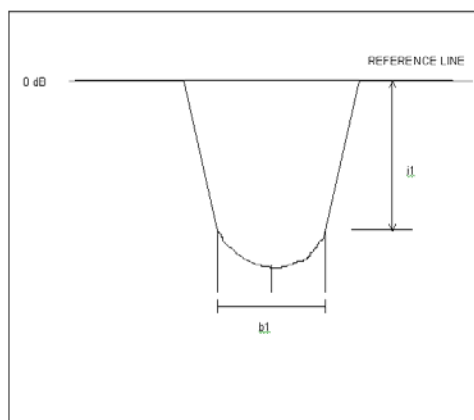
3. SPECIFICATIONS:

NO	ITEMS	Ref.	SPECIFICATION
1	Center Frequency (Fo)	-	1575 MHz
2	Pass Band Width(PB)	-	Fo+/-2 MHz
3	Insertion Loss IN PB	-	2.8 dB Max
4	Ripple IN PB	-	0.5 dB Max
5	Return Loss IN PB	-	10dB Min
6	Attenuation [absolute Value]	At Fo-100 MHz	46dB Min
		At Fo+100 MHz	38dB Min
7	Impedance	-	50Ω
8	Maximum Input Power	-	1 W (+30dBm)
9	Operating Temperature Range	-	-35 - +75°C

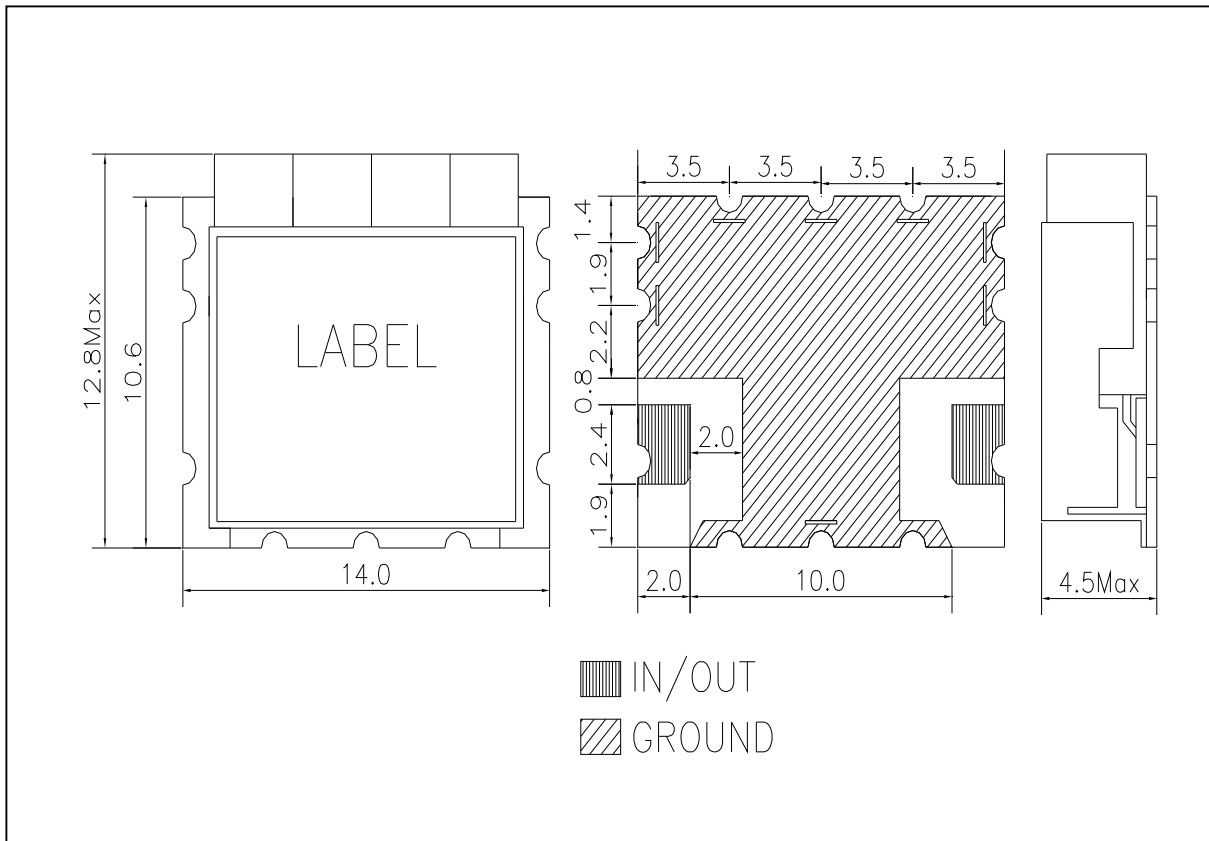
S21 LOG MAG NETWORK ANALYZER



S11 SWR NETWORK ANALYZER



4. DIMENSIONS:



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
2)	DIMENSION: 3.0MM x 3.0MM

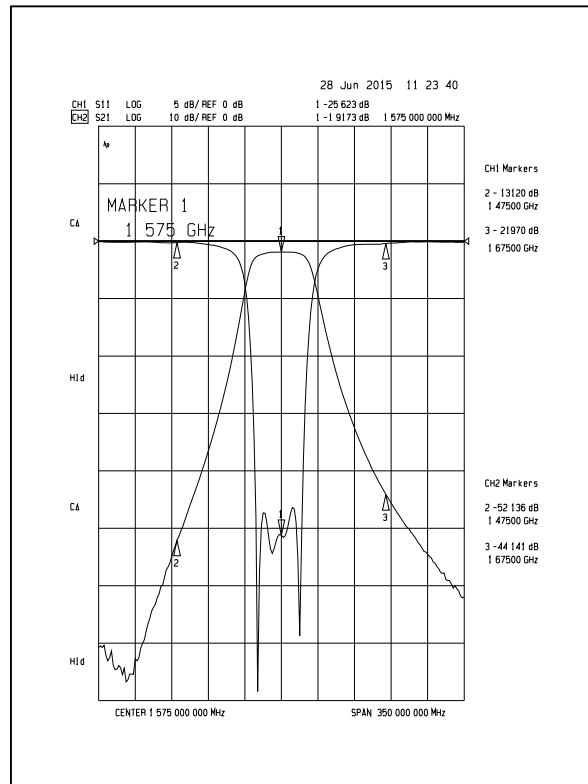
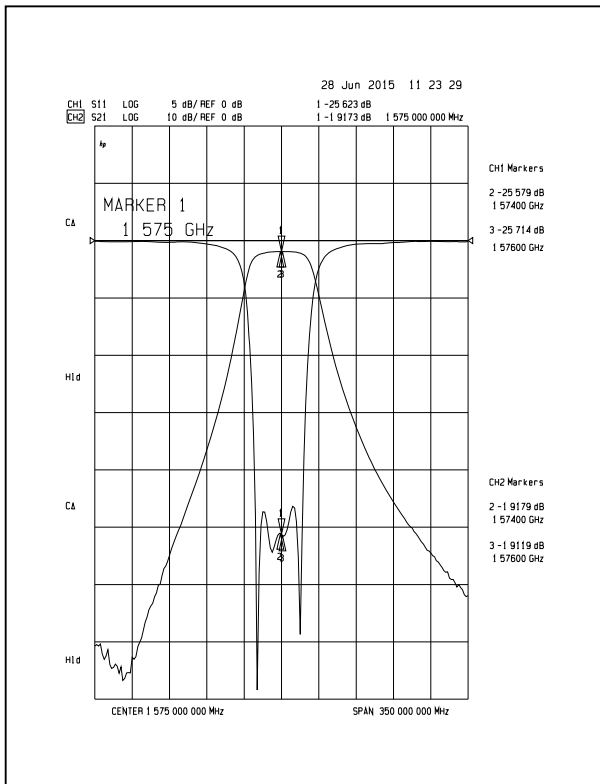
MARKING
CF-15750044
Date Code
YY: YEAR
WW: WEEK
UNIT:MM
TOLERANCE: +/-0.5MM
IN/OUT LAND:+/-0.3MM

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, ATTENUATION)



S21 (3.0dB BAND WIDTH, 45dB BAND WIDTH)

