

SPECIFICATION

COMMERCIALLY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-13257485

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
6/22/17 ^(kn)				

FILTRONETICS Inc

1. APPLICATION

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

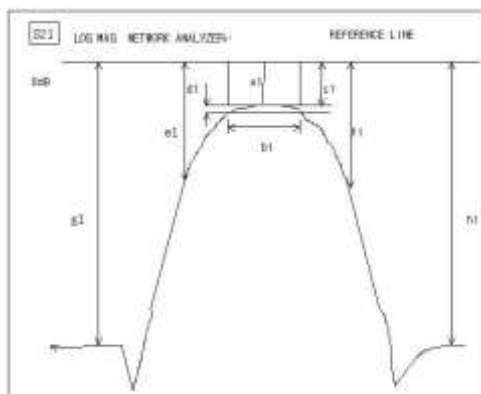
2. PART NUMBER:

PART NO	CF-13257485
PACKAGING	PLASTIC TRAY

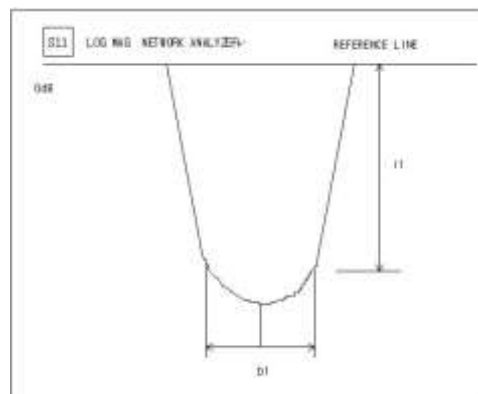
3. SPECIFICATIONS:

NO	ITEMS		Ref.	SPECIFICATION
1	Center Frequency (Fo)		-	1325 MHz
2	Pass Band Width (PB)		-	Fo+/-374 MHz (952~1700Mhz)
3	Insertion Loss	AT Fo	-	3.0 dB Max
4	Attenuation [Absolute Value]	At 600MHz	-	25 dB Min
		At 2350MHz		20 dB Min
5	Return Loss	at Fo+/-374 MHz		7 dB Min
6	Impedance		-	50Ω
7	Maximum Input Power		-	1 W (+30dBm)
8	Operating Temperature Range		-	-30 - +60°C

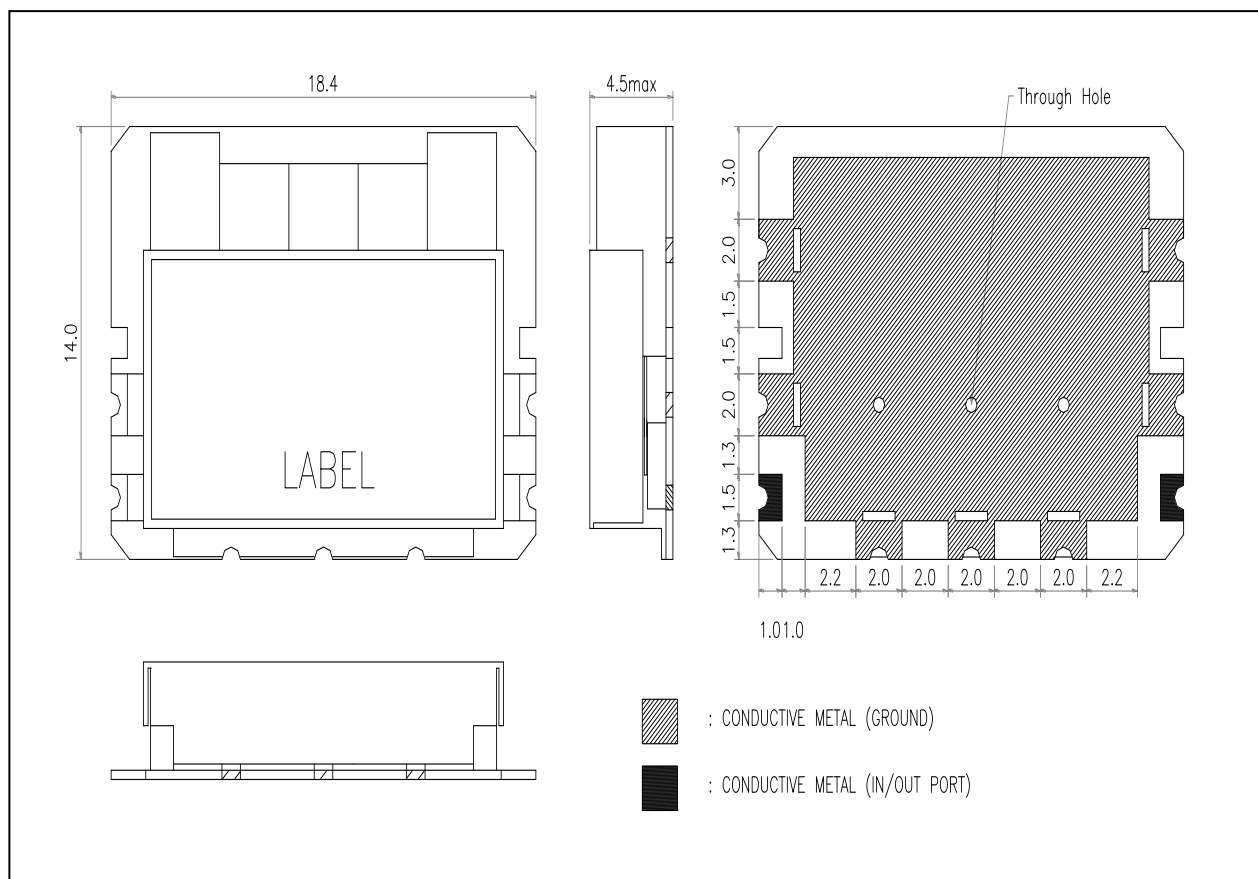
S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:



MATERIAL SPECIFICATION

1. PCB
 - 1) MATERIAL: FR4
 - 2) TERMINALS: Au PLATED
2. METAL CASE
 - 1) MATERIAL: Sn OR Ag PLATED
3. RESONATOR
 - 1) COATING MATERIAL: Ag
 - 2) DIMENSION: 3MM x 3MM

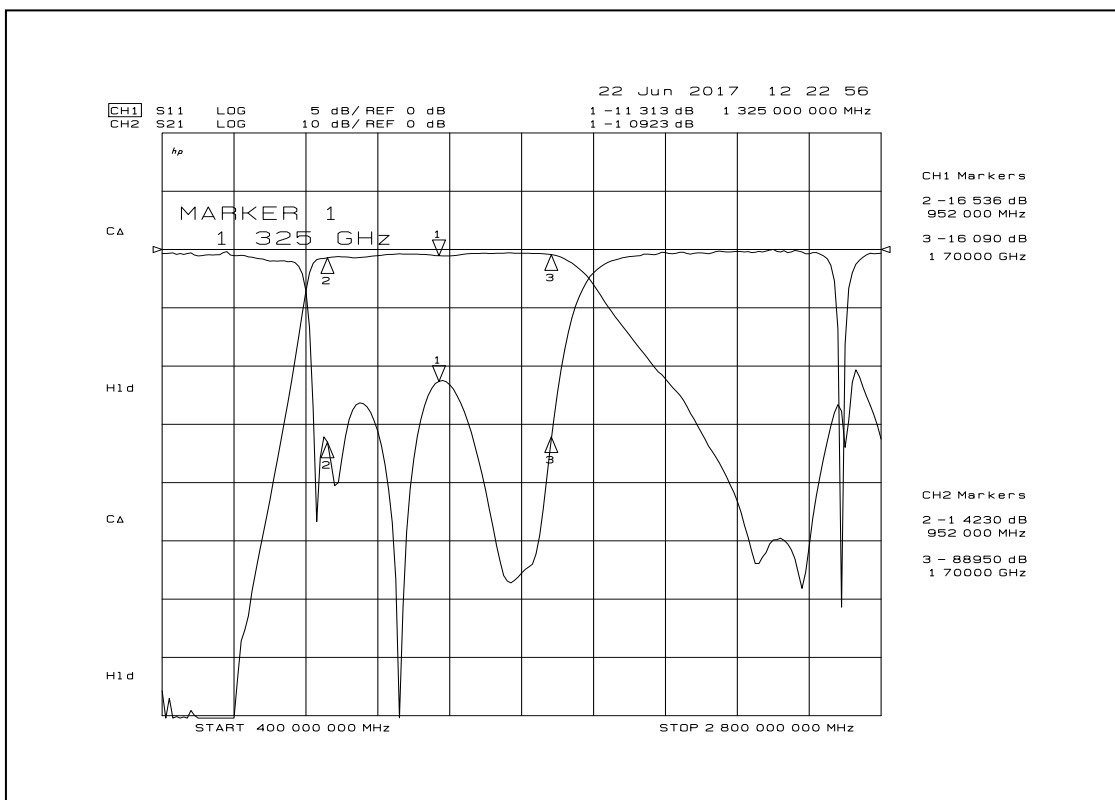
MARKING

PART NO
FILTRONETICS

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 vs S11 (INSERTION LOSS, RETURN LOSS)****S21 (ATTENUATION)**