

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-24420855

RoHS

Also available in SMA
 See FNP-1444

ISSUED / REVISION	ENGINEER APPROVED	DOCUMENT CHECKED	DRAFTSMAN	DOCUMENT CHECKED
3/20/18 ^(kn)				

FILTRONETICS Inc

1. APPLICATION

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

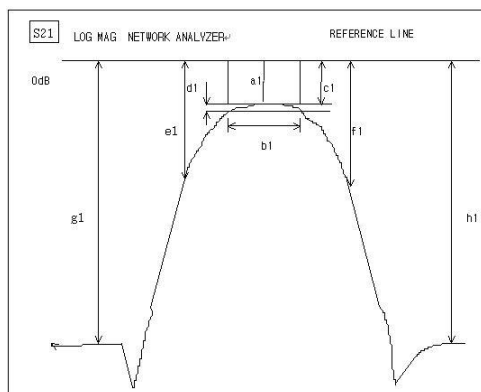
2. PART NUMBER:

PART NO	CF-24420855
PACKAGING	PLASTIC TRAY

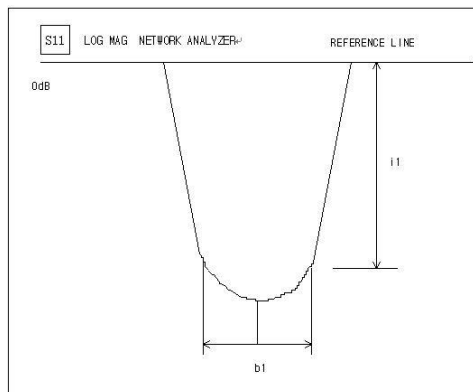
3. SPECIFICATIONS:

NO	ITEMS		SPECIFICATION
1	Center Frequency (Fo)	-	2442.5MHz
2	Pass Band Width (=PB)	-	Fo+/-42.5 MHz
3	Insertion Loss at Fo	-	3.0 dB max
4	Ripple In Fo+/-42.5 MHz	-	1.0 dB max
5	Attenuation [Absolute Value]	At 1000MHz	50dB Min
		At 2600MHz	46dB Min
6	Return Loss IN PB	-	10 dB Min
7	Impedance	-	50Ω
8	Maximum Input Power	-	1 W (+30dBm)
9	Operating Temperature Range	-	-30 - +75°C

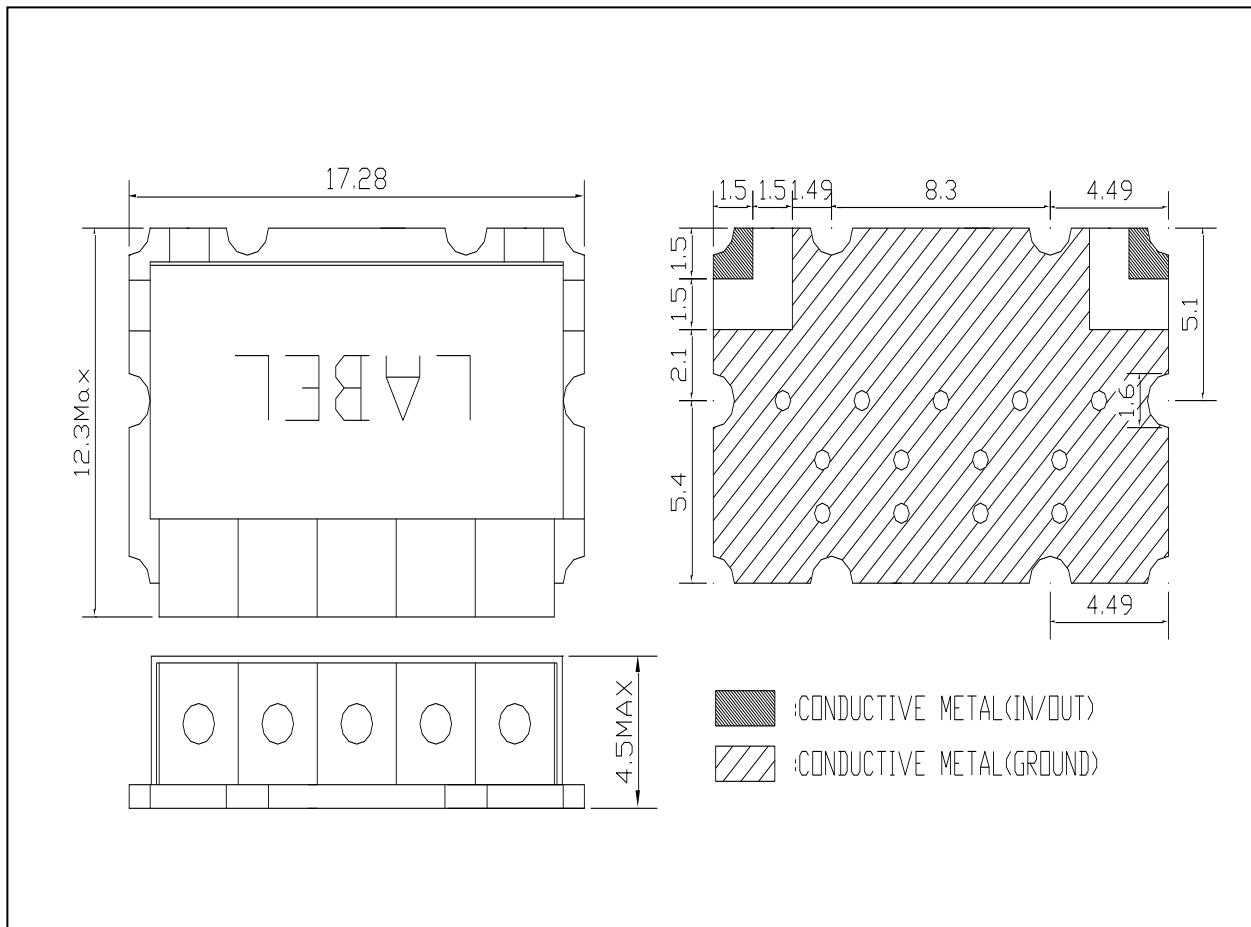
S21 LOG MAG NETWORK ANALYZER



S11 LOG MAG NETWORK ANALYZER



4. DIMENSIONS:



MATERIAL SPECIFICATION

- PCB
 - MATERIAL: FR4
 - TERMINALS: Au PLATED
- METAL CASE
 - MATERIAL: Sn OR Ni PLATED
- RESONATOR
 - COATING MATERIAL: Ag
 - DIMENSION: 3MM x 3MM

MARKING

PART NO
Date Code

UNIT: MM
TOLERANCE: +/-0.5MM

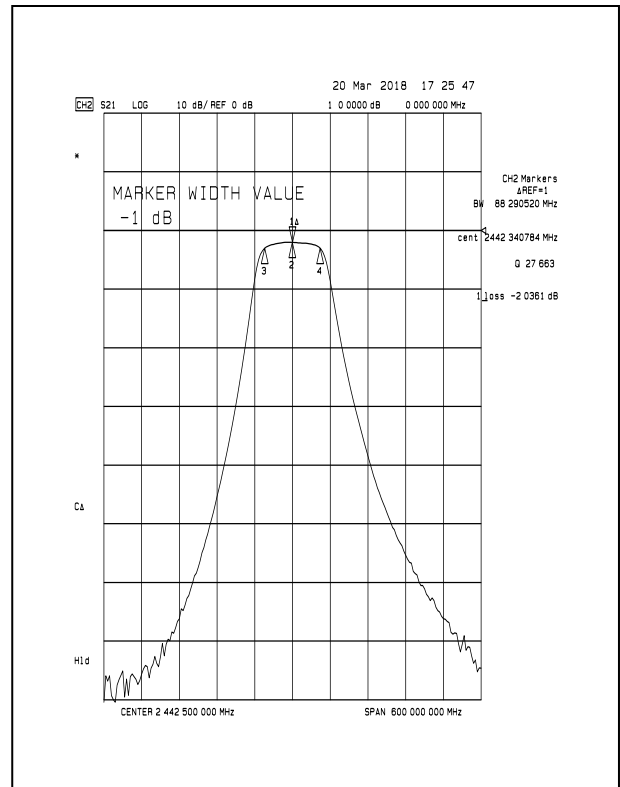
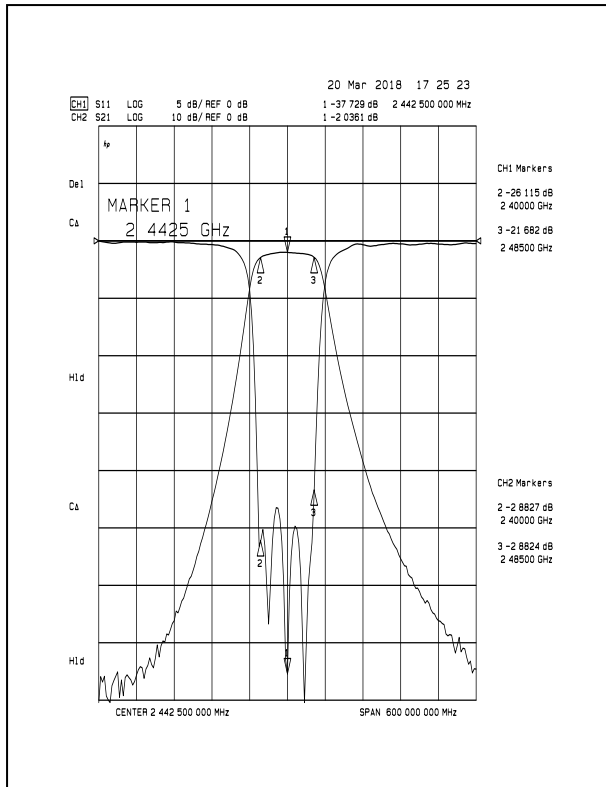
IN/OUT LAND TOLERANCE: +/- 0.3MM

● **CAUTIONS:**

- When handling products, be careful not to damage the outer-electrode.
- When handling products be careful not to touch the outer-electrode with bare hands or solderability is reduced.
- 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, 1dB BANDWIDTH)



S21 (ATTENUATION)

