

SPECIFICATION

COMMERCIALY AVAILABLE

CERAMIC BAND PASS
PART NUMBER: CF-08970353A
RoHS

Revision Made: Changed height requirement from 4.3MM Max to 4.3 +/- 0.5MM

ISSUED	CHECKED	CHECKED	CHECKED	APPROVED
5/14/2008**				
9/1/2018 ^(AS)	9/1/2018 ^(TG)			
10/05/2020 ^(ASM)				

1. APPLICATION

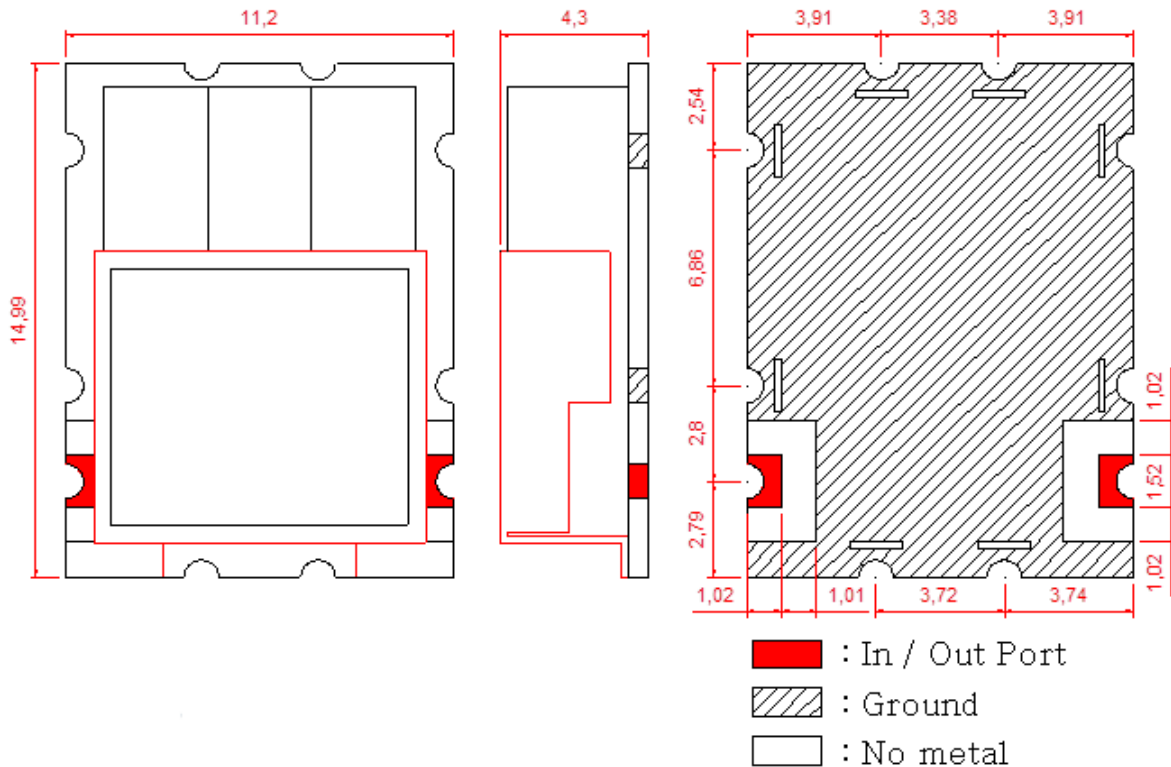
THIS SPECIFICATION APPLIES BAND PASS FILTER, USING DIELECTRIC RESONATORS.

2. PART NUMBER

PART NO	CF-08970353A
PACKAGING	PLASTIC TRAY

3. SPECIFICATIONS

ITEMS		Ref.	SPECIFICATION
Center Frequency (Fo)		-	897.5 MHz
1DB Band Width (Fo+/-17.5MHz= PB)		-	35MHz Min~40MHz Max
Insertion Loss	IN PB	-	2.5 dB Max
Ripple	IN PB	-	1.0dB Max
ATTENUATION (absolute Value)	AT Fo+ 125MHz	-	25dB Min
	AT Fo-125MHz	-	25dB Min
Return Loss	AT Fo	-	10dB Min
Impedance		-	50Ω
Maximum Input Power		-	1 W (+30dBm)
Operating Temperature Range		-	-20 - +70°C

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: 3MM x 3MM
4. RoHS Compliant.

MARKING

CF08970353A
 FILTRONETICS
 Date code

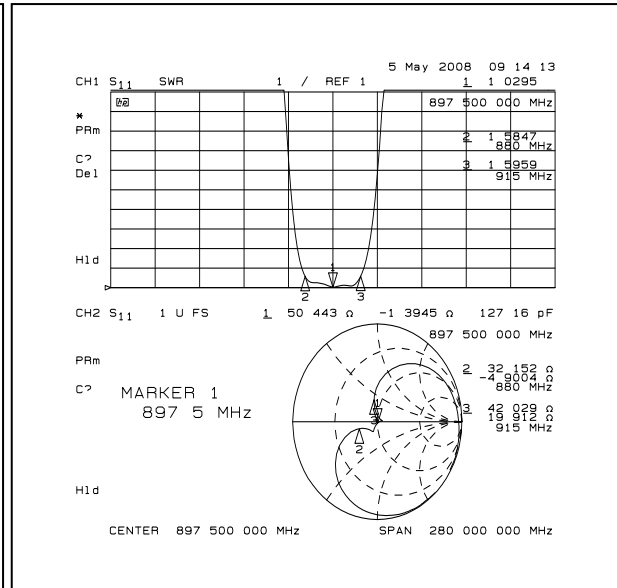
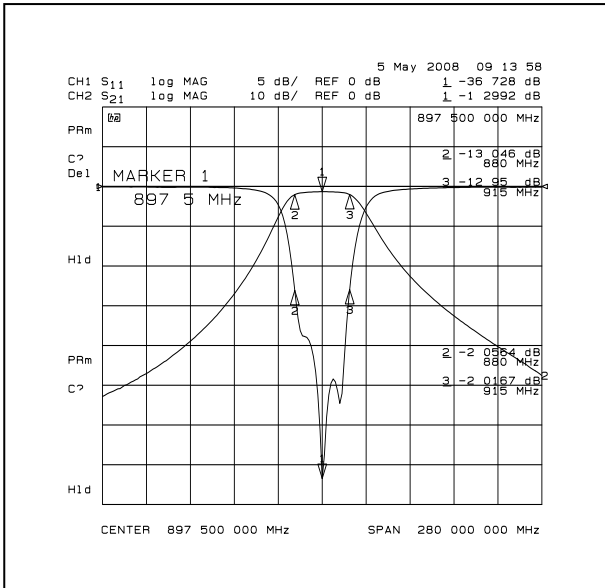
TOLERANCE: +/-0.5MM

● **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, V.S.W.R, Smith Chart)



S21 (1.0dB BAND WIDTH, ATTENUATION)

