

SPECIFICATION

COMMERCIALLY AVAILABLE

PART NUMBER: CF-17501005

ITEM: DIELECTRIC CERAMIC FILTER

Prepared By:kn

Revised By:

ISSUED	CHECKED	CHECKED	CHECKED	APPROVED

1. APPLICATION

THIS SPECIFICATION APPLIES A BAND PASS FILTER USING DIELECTRIC RESONATORS.

2. PART NUMBER

PART NO	CF-17501005
PACKAGING	PLASTIC TRAY

3. SPECIFICATIONS

ITEMS		SPECIFICATION
Center Frequency (Fo)		1750 MHz
3DB Pass Band Width(=PB)		Fo +/- 50 MHz Min
Insertion Loss IN PB		4.8 dB Max
Attenuation	At Fo-140MHz	45dBc Min
	At Fo+140MHz	40dBc Min
Return Loss AT Fo+/-42.5MHz		12dB Min
Impedance		50Ω
Maximum Input Power		1 W (+30dBm)
Operating Temperature Range		-30 - +85°C

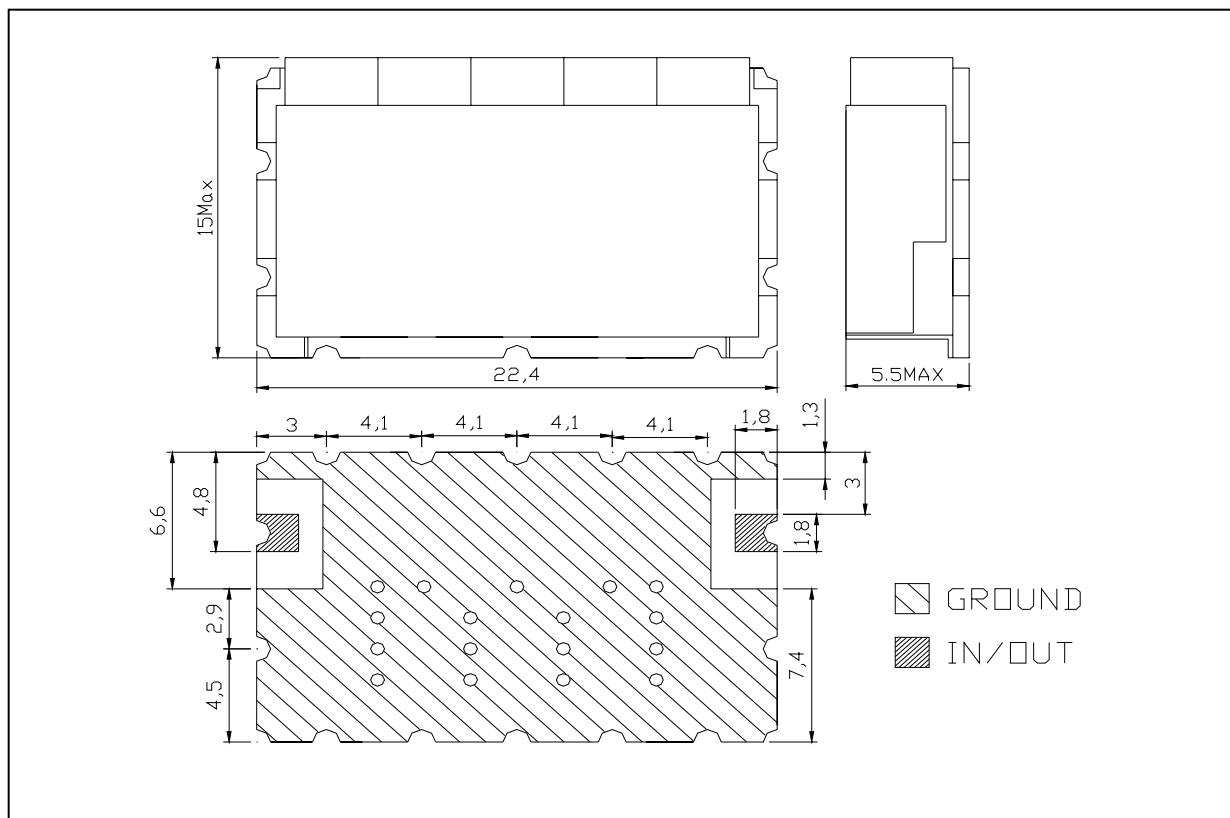
4. DIMENSIONS

IN/OUT LAND

TOLERANCE: +/-0.3MM

UNIT: MM

TOLERANCE: +/-0.5MM



※ 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: 4MM x 4MM

※ MARKING

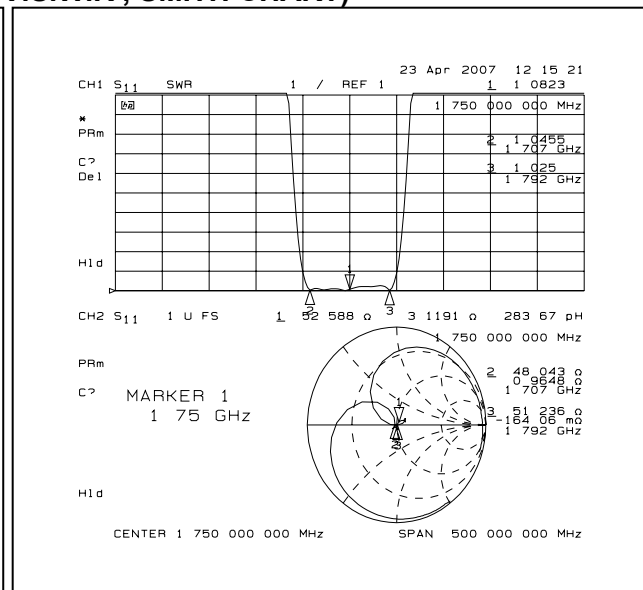
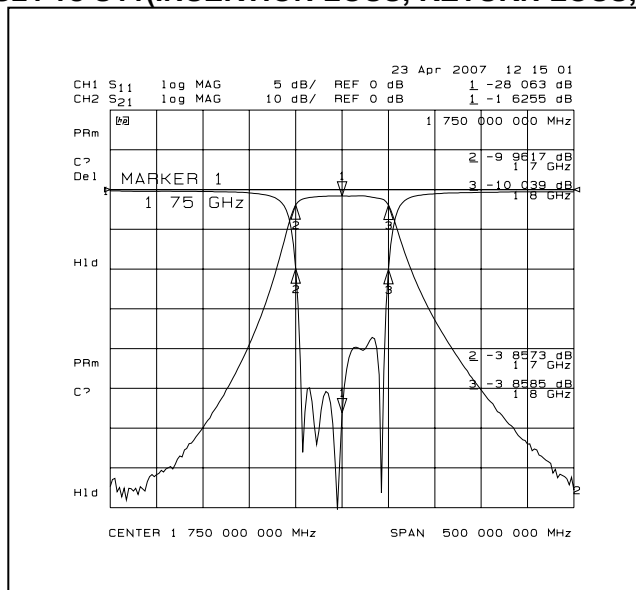
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FILTRONETICS

● 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(3DB BAND WIDTH, ATTENUATION)

