

**CF1017**

**5410 MHz  
LTCC Filter**

**Package Dimensions  
2.0 X 1.25 mm**

**Maximum Rating:**

- Input Power : 0.5W
- DC voltage: 0 V
- Operating temperature range: -40°C to +85°C
- Storage temperature range: -40 °C to +85 °C
- Moisture Sensitivity Level: Level 1(MSL1)

**Electrical Characteristics:**

Source impedance (unbalanced) :  $Z_s = 50 \Omega$

Load Impedance (unbalanced) :  $Z_L = 50 \Omega$

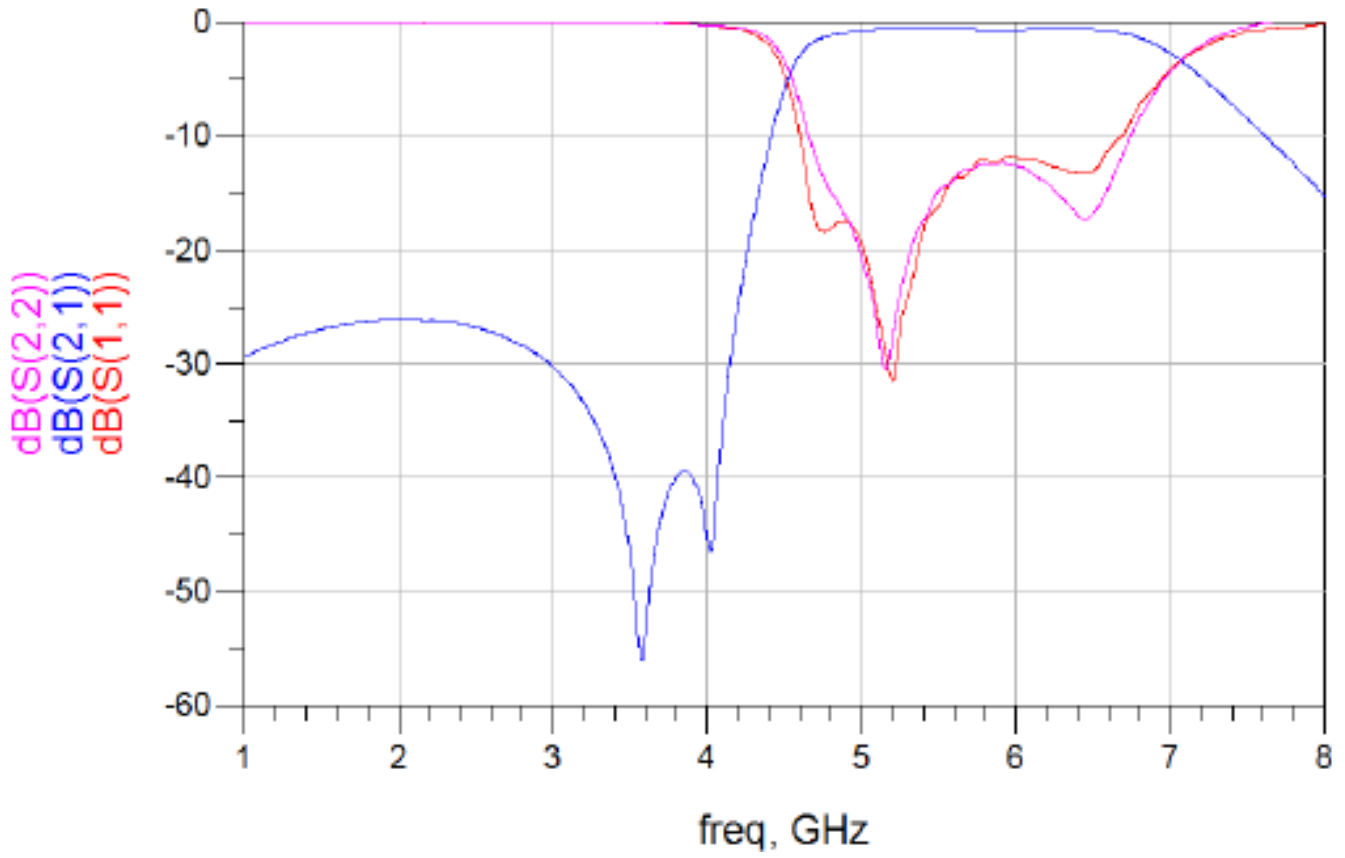
Item	Unit	Spec
<b>Central Frequency</b> <span style="float: right;"><b>Fc</b></span>	MHz	5410
<b>Band Width</b>	MHz	1020
<b>Insertion loss</b> (4900 ~ 5920 MHz) <sup>(1)</sup> <span style="float: right;"><b>IL</b></span>	dB	1.5 Max
<b>Insertion loss</b> (4900 ~ 5920 MHz) <sup>(2)</sup> <span style="float: right;"><b>IL</b></span>	dB	2.0 Max
<b>VSWR</b> (4900 ~ 5920 MHz)	dB	2.0 Min
<b>Attenuation</b> (Reference level from 0 dB)		
3500 MHz	dB	30 Min

(1) at 25°C±5°C

(2) at -40°C ~ 85°C

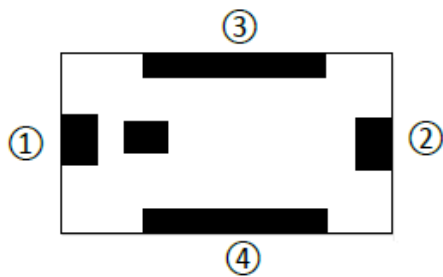
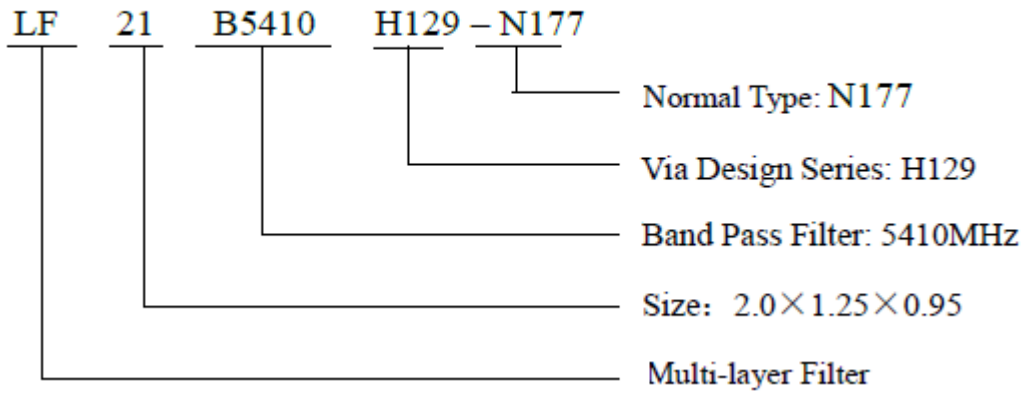
# FREQUENCY CHARACTERISTICS:

## Frequency Response



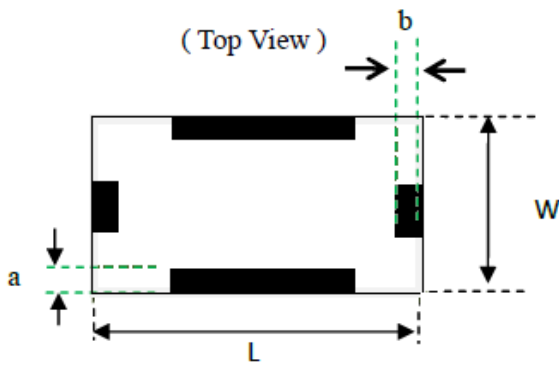
**Outline Drawing :**

**Part Number**

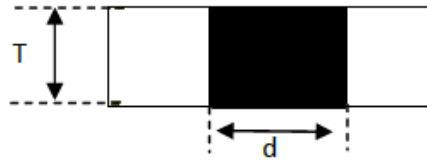


Number	Terminal Name
①	INPUT
②	OUTPUT
③	GND
④	GND

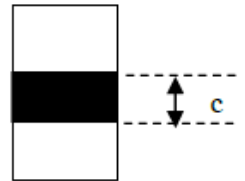
(Top View)



(Bottom View)

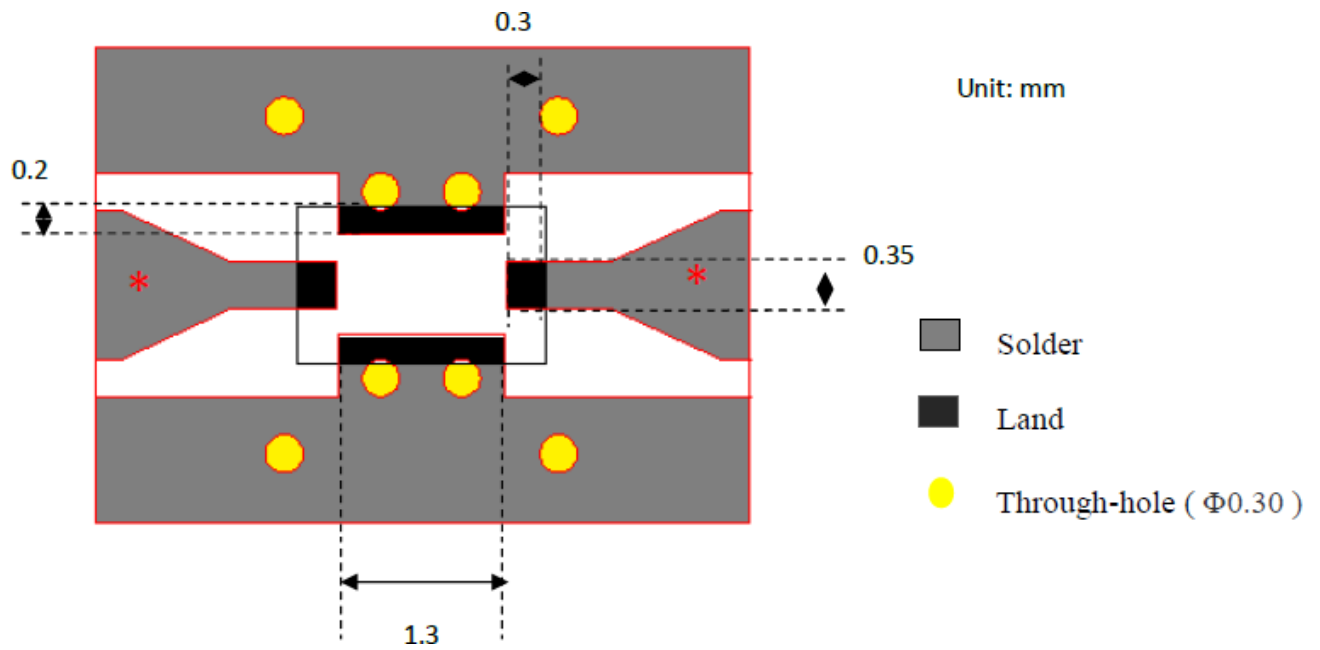


(Side View)



Symbols	L	W	T	a	b	c	d
Dimensions	2.0+/-0.2	1.25+/-0.2	0.95+/-0.2	0.2+/-0.1	0.3+/-0.1	0.35+/-0.1	1.3+/-0.1

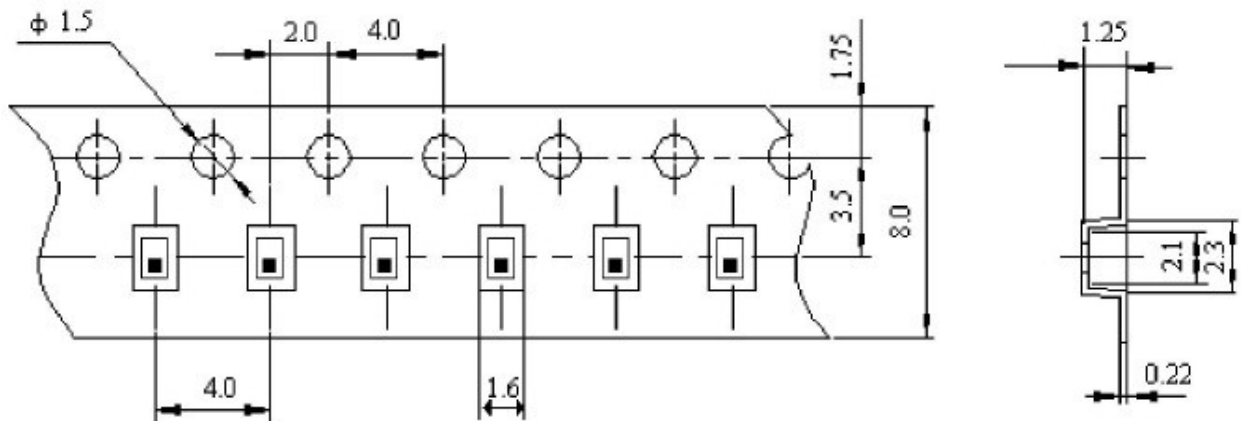
## PCB Footprint



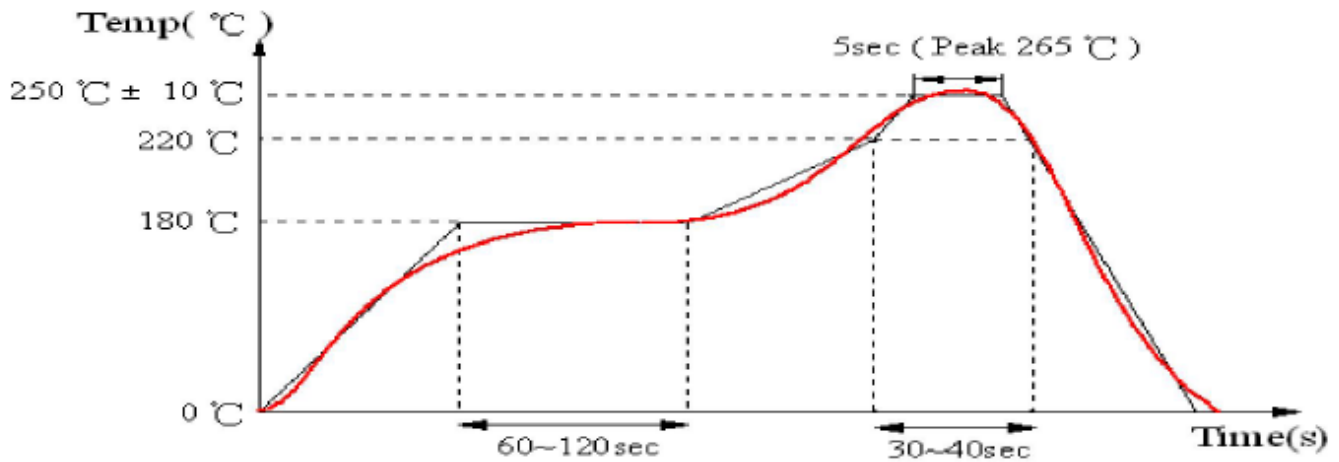
## PACKING:

Reel Count: 7" = 3000

## Plastic Tape



## RECOMMENDED REFLOW PROFILE :



**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

### NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.