



### Features

- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

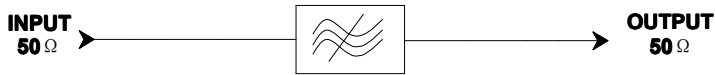
Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	-	412.5	-	
Insertion Loss(410~415MHz)	dB	-	3.5	4.5	
Passband Variation(410~415MHz)	dB	-	0.9	1	
VSWR(410~415MHz)	dB	-	1.9	2	
Attenuation	100 ~ 400MHz	dB	30	35	-
	405 ~ 407.5MHz	dB	15	20	-
	417.5 ~ 420MHz	dB	15	25	-
	425 ~ 1000MHz	dB	30	35	-
Material Temperature coefficient	kHz/°C	-14.85			
Substrate Material	-	42LT			
Ambient Temperature	°C	25			
Operating Temperature Range	°C	25			
Storage Temperature Range	°C	-55	-	+100	
ESD Class	-	1A			
Package Size	SMD5.0*5.0				

#### Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT41306	
		Rev. Date	2013-05-29	
		Ver.	1.0	Page 1/3

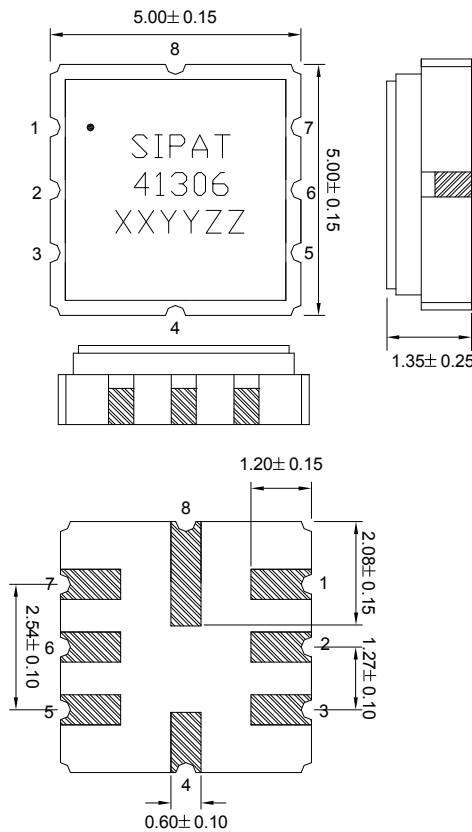
*Matching Configuration*



**Source/Load Impedance=50 ohm**

Notes - Component values may change depending on board layout.

*Package Dimension*



**Pad Configuration:**

- Input: 2
- Output: 6
- Ground: All others

**Marking Configuration:**

- 1) ∙: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) 41306: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

**Package: SMD5.0\*5.0**

**Unit: mm**



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*Typical Performance*

