



Features

- ◇ For RF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz		433.5		
Insertion Loss(428~439MHz)	dB	-	1.8	3	
1dB Bandwidth	MHz	11	14.4	-	
Passband Variation(428~439MHz)	dB	-	0.7	1	
Attenuation	473~484MHz	dB	40	54	-
	383~394MHz	dB	40	56	-
	44~46MHz	dB	40	60	-
	20MHz	dB	40	60	-
	10MHz	dB	40	60	-
Material Temperature coefficient	KHz/°C		-13.87		
Substrate Material	-		42LT		
Ambient Temperature	°C		25		
Operating Temperature Range	°C	-40	25	+85	
Storage Temperature Range	°C	-55	-	+100	
Input Power	dBm	-	-	10	
ESD Class	-		1A		
Package Size		SMD5.0*5.0B			

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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT43401	
		Rev. Date	2012-08-07	
		Ver.	1.0	Page 1/3

Matching Configuration

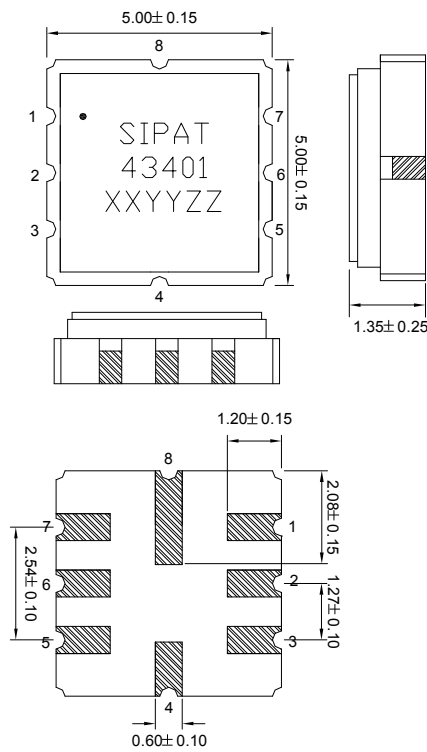
手动测试座



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) SIPAT: Manufacturer Name
- 2) 43401: Part Number
- 3) XXYY: Date Code

Package: SMD5.0*5.0B

Unit: mm

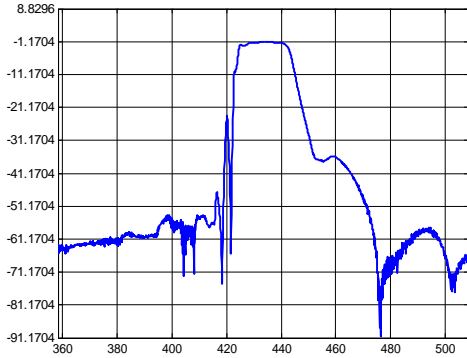


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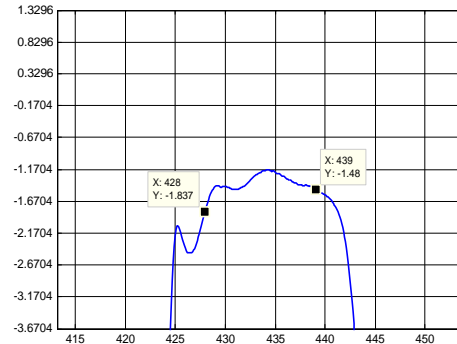
Typical Performance

Frequency Respond



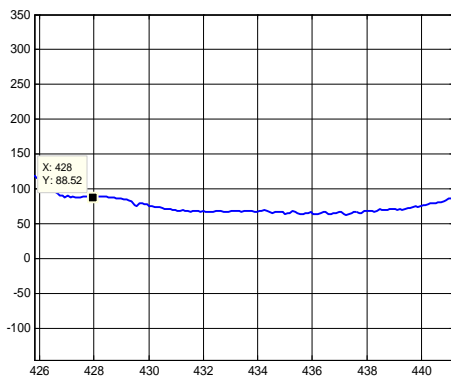
Horizontal: 20MHz/Div Vertical: 10dB/Div

Passband Respond



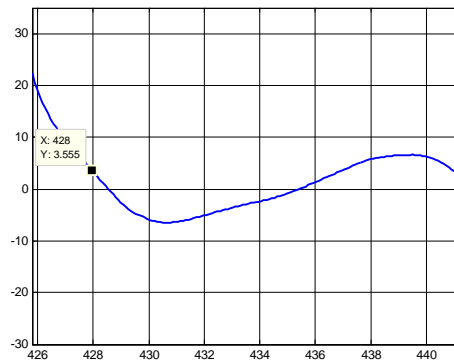
Horizontal: 5MHz/Div Vertical: 0.5dB/Div

Group Delay Variation



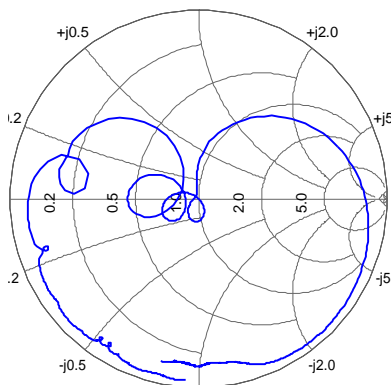
Horizontal: 2MHz/Div Vertical: 50ns/Div

Phase Linearity

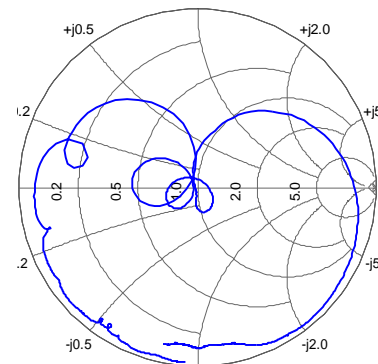


Horizontal: 2MHz/Div Vertical: 10deg/Div

Smith Chart S11



Smith Chart S22



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