



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	-	382.5	-
Insertion Loss	dB	-	2.6	4
2 dB Bandwidth	MHz	5	6	-
Passband Variation($f_0 \pm 2.5\text{MHz}$)	dB	-	0.7	2
Ultimate Rejection	100~370MHz	dB	30	47
	387.5~390MHz	dB	15	32
	390~550MHz	dB	30	36
	550~1000MHz	dB	15	28
Return Loss	dB	10	11	-
Material Temperature coefficient	KHz/°C	-12.24		
Substrate Material	-	42LT		
Ambient Temperature	°C	25		
DC Voltage	V	0		
Input Power	dBm	-	-	10
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.

	SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT38301	
		Rev. Date	2010-03-30	
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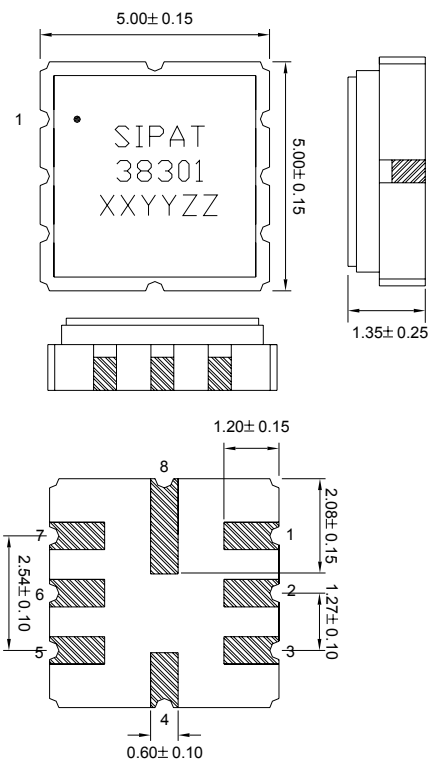
Matching Configuration



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) 38301: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD5.0*5.0

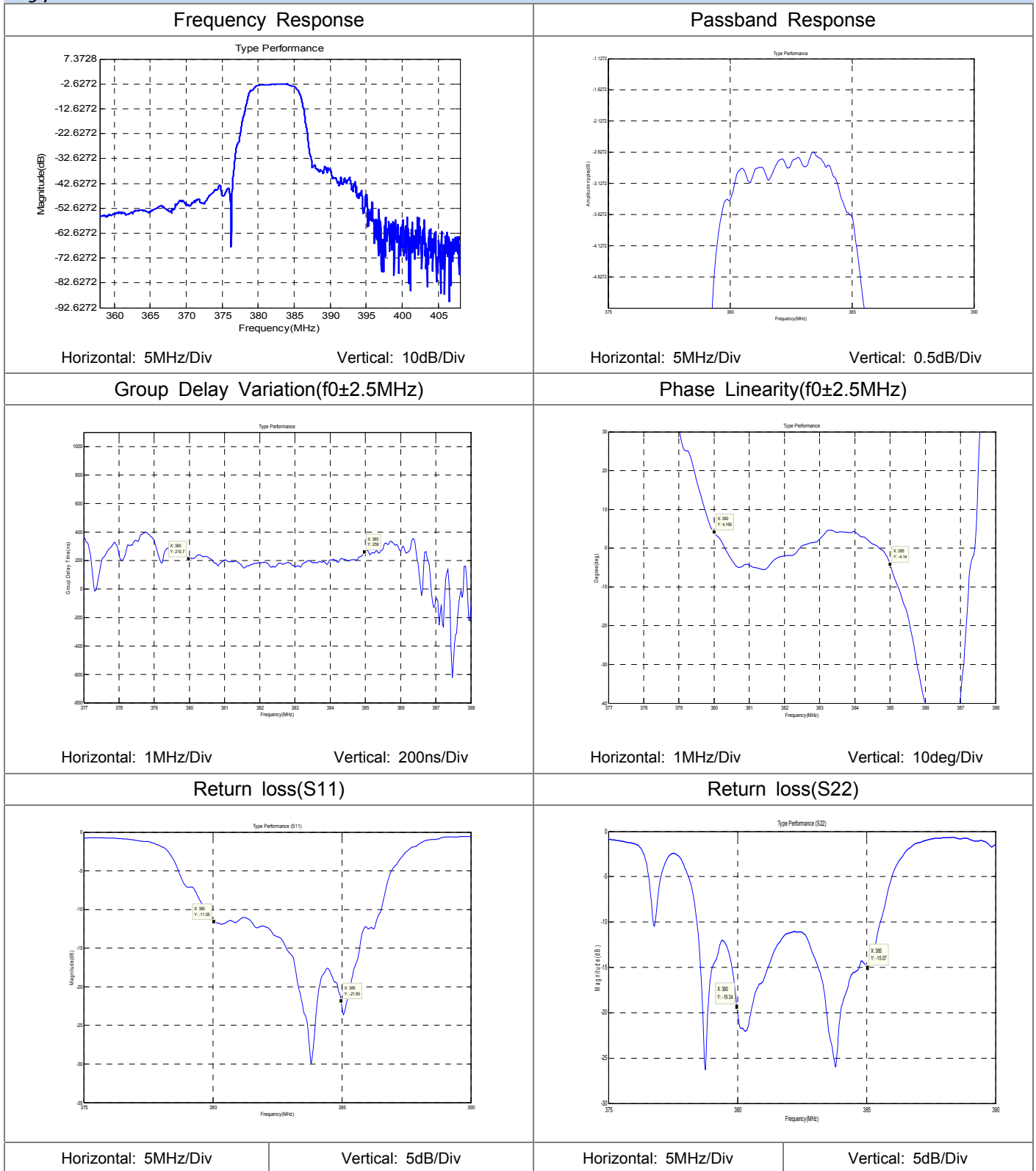
Unit: mm



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Typical Performance



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