



### Features


- ◇ For IF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ RoHS compliant (2002/95/EC), Pb-free

### Specifications

Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	245.95	246	246.05	
Insertion Loss	dB	-	5.2	6.5	
Passband Variation( $f_0 \pm 0.05\text{MHz}$ )	dB	-	0.1	-	
Group Delay Variation( $f_0 \pm 0.05\text{MHz}$ )	$\mu\text{s}$	-	1.4	3	
Ultimate Rejection	$f_0 - 25 \sim f_0 - 1.6\text{MHz}$	dB	50	52	-
	$f_0 - 1.6 \sim f_0 - 0.6\text{MHz}$	dB	35	47	-
	$f_0 - 0.6 \sim f_0 - 0.4\text{MHz}$	dB	20	55	-
	$f_0 + 0.4 \sim f_0 + 0.6\text{MHz}$	dB	20	54	-
	$f_0 + 0.6 \sim f_0 + 1.6\text{MHz}$	dB	33	48	-
	$f_0 + 1.6 \sim f_0 + 25\text{MHz}$	dB	38	40	-
Material Temperature coefficient	KHz/°C	0.25			
Substrate Material	-	Qz			
Ambient Temperature	°C	25			
DC Voltage	V	0			
Input Power	dBm	-	-	10	
ESD Class	-	1C			
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	LBS24602	
		Rev. Date	2011-05-20	
		Ver.	2.0	Page

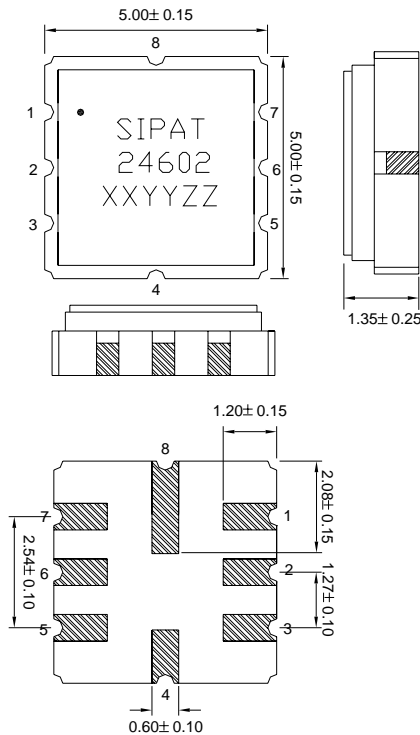
### Matching Configuration



**L1=(100+56)nH L2=(100+15)nH**  
**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) 24602: Part Number
- 4) XXYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD5.0\*5.0

Unit: mm

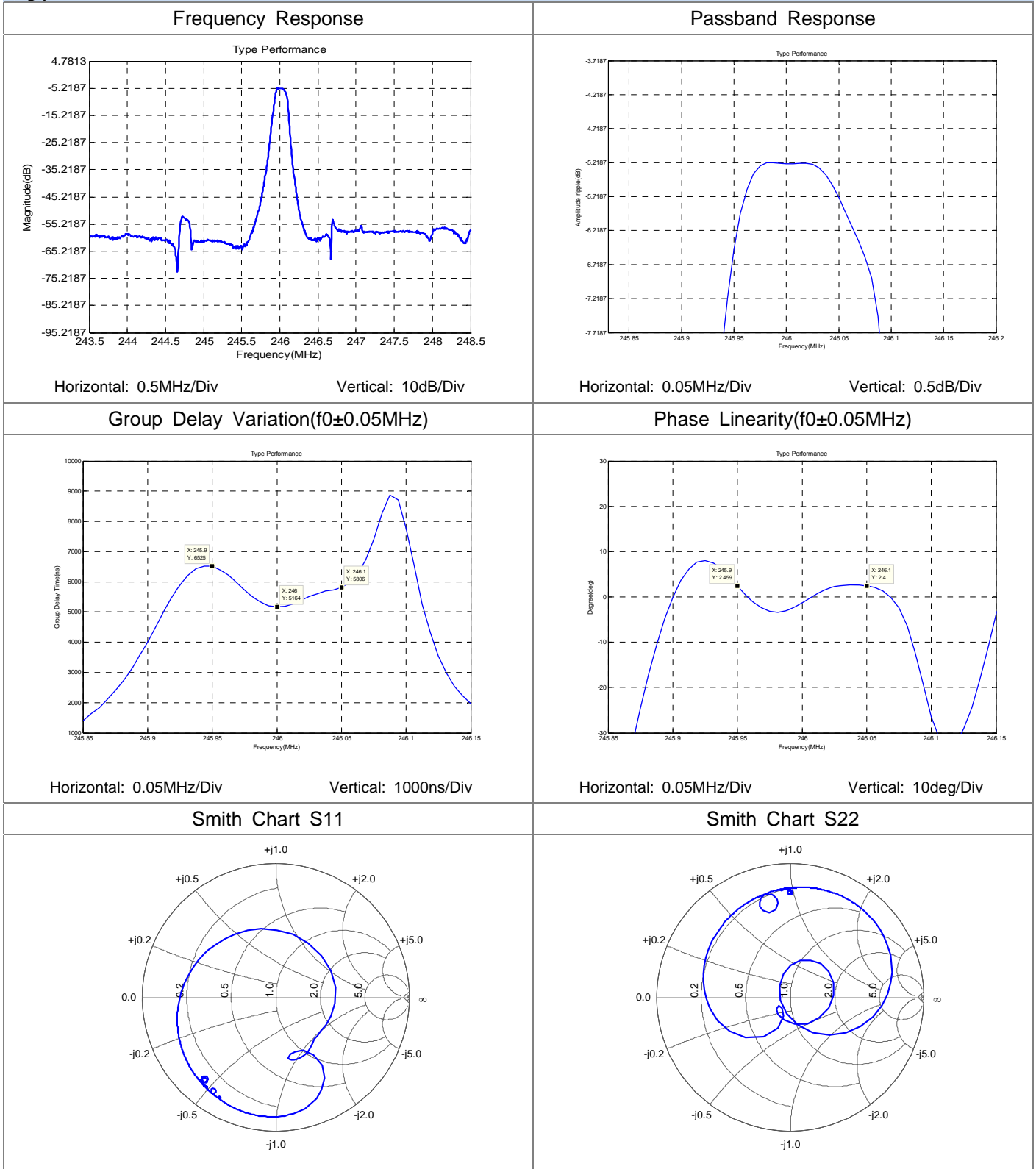


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Typical Performance



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