



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	-	1447	-
Insertion Loss(1427~1467MHz)	dB	-	3.2	3.6
Passband Variation(1427~1467MHz)	dB	-	0.9	1
Input/Output VSWR(1427~1467MHz)	-	-	1.6	2
Ultimate Rejection	DC~1367MHz	dB	42	-
	1526~2500MHz	dB	43	-
Material Temperature coefficient	KHz/°C		-46.3	
Substrate Material	-		42LT	
Ambient Temperature	°C		25	
Operating Temperature Range	°C	-45	-	+85
DC Voltage	V		0	
Input Power	dBm	-	-	15
ESD Class	-		1A	
Package Size		SMD3.0*3.0		

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	LBT144701	
		Rev. Date	2011-07-13	
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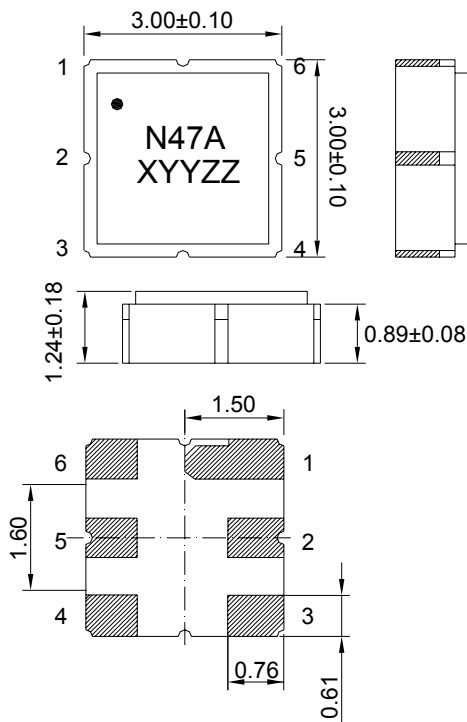
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: 1,3,4,6

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) N47A: Part Number
- 4) XYY: Date(Year/month)
- 5) ZZ: Identified Code

Package: SMD3.0*3.0

Unit: mm

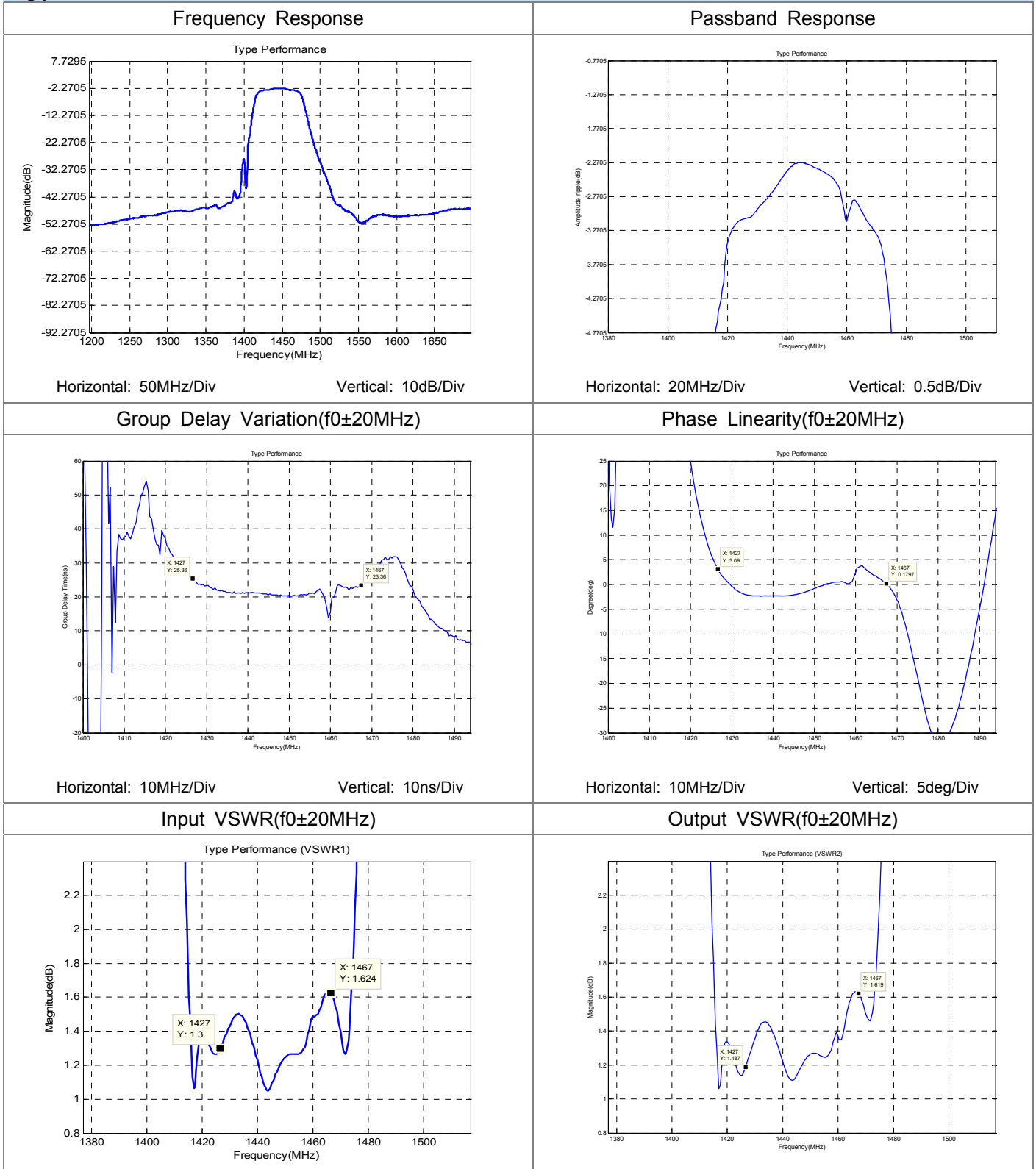


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Chongqing, China, 400060

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Typical Performance



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Chongqing, China, 400060

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