



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	-	1.7	2.4
Passband Variation(410~415MHz)	dB	-	0.7	1
Input/Output VSWR(410~415MHz)	-	-	1.7	2
Ultimate Rejection	0.3~310MHz	dB	25	-
	310~400MHz	dB	24	-
	420~425MHz	dB	42	-
	430~870MHz	dB	20	-
	870~1500MHz	dB	20	-
	1500~2000MHz	dB	15	28
Material Temperature coefficient	KHz/°C	-13.2		
Substrate Material	-	42LT		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
DC Voltage	V	0		
Input Power	dBm	-	-	30
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	LBT41305	
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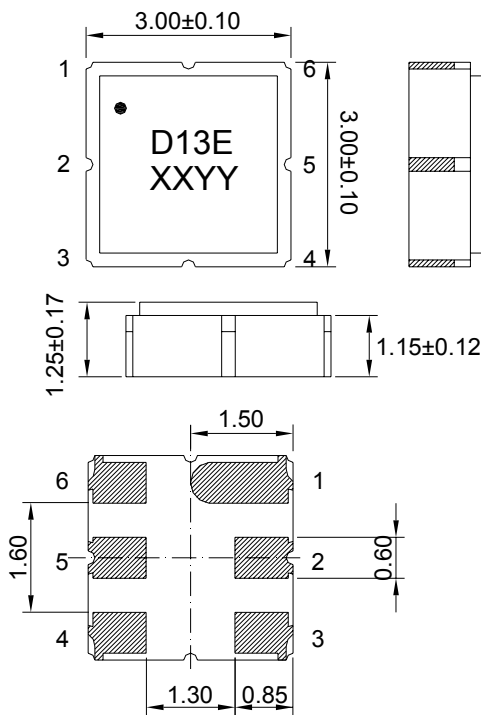
Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) D13E: Part Number
- 3) XYYY: Date(Year/month)

Package: SMD3.0*3.0

Unit: mm

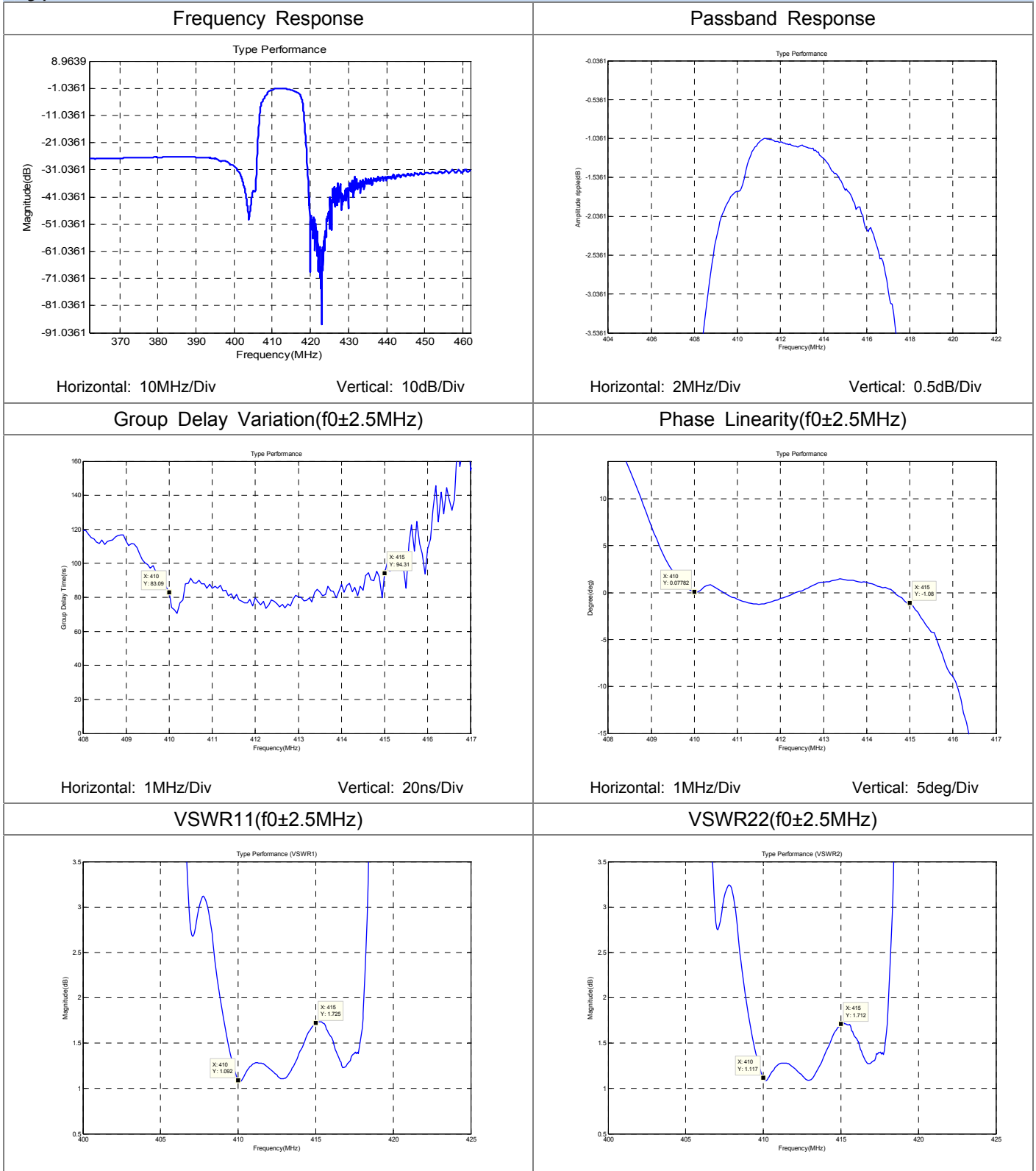


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Typical Performance



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