



### 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	-	455	-	
Insertion Loss(452.5~457.5MHz)	dB	-	1.8	2.4	
Passband Variation(452.5~457.5MHz)	dB	-	0.7	1	
Input/Output VSWR(452.5~457.5MHz)	-	-	1.8	2	
Ultimate Rejection	0.3~350MHz	dB	25	27	-
	350~445MHz	dB	23	24	-
	462.5~467.5MHz	dB	42	44	-
	467.5~905MHz	dB	22	28	-
	905~915MHz	dB	22	24	-
	915~1500MHz	dB	20	22	-
	@3640.0MHz	dB	14	17	-
Material Temperature coefficient	KHz/°C	-14.6			
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.

	<b>SIPAT Co., Ltd.</b> ( CETC No.26 Research Institute ) #14 Nanping Huayuan Road, Chongqing, China, 400060	Part Number	LBT45505	
		Rev. Date	2010-10-10	
		Ver.	2.0	Page 1/3

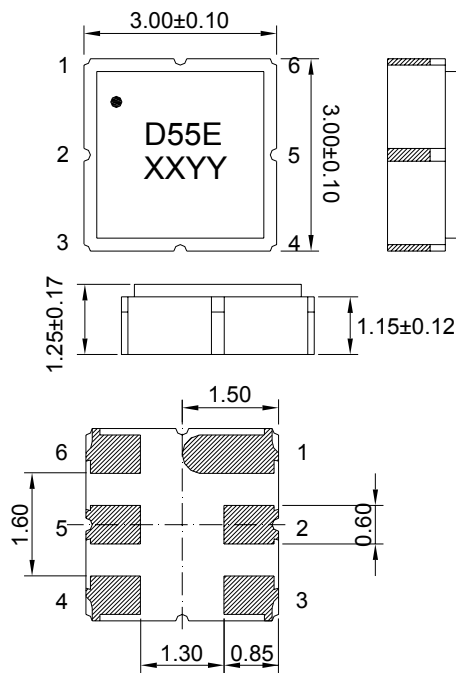
### Matching Configuration



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) D55E: Part Number
- 3) XXYY: Date(Year/month)

Package: SMD3.0\*3.0

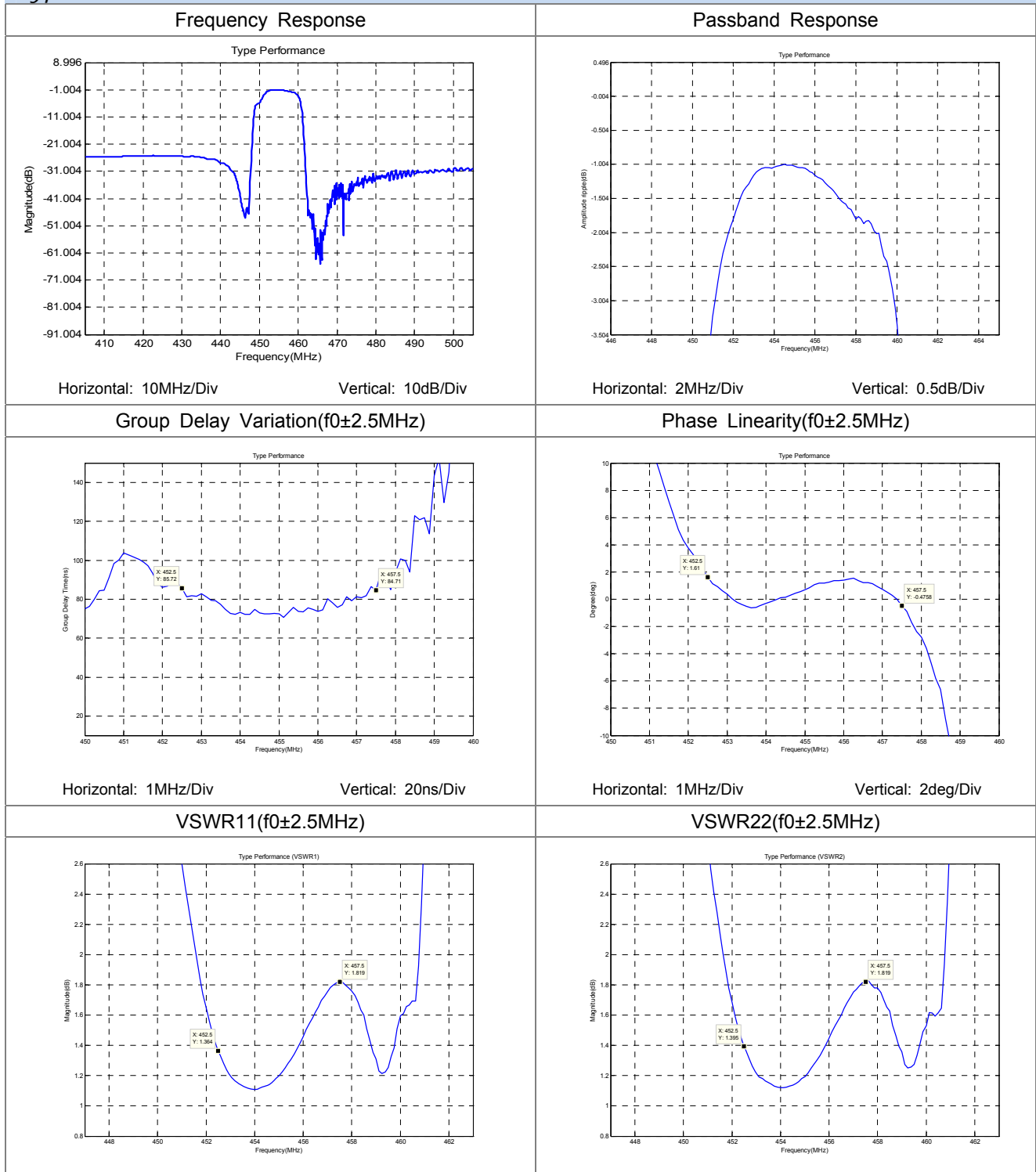
Unit: mm



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*Typical Performance*



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