



Features


- ◇ For IF SAW filter
- ◇ High attenuation
- ◇ Single-ended operation
- ◇ Dual In-line Package
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

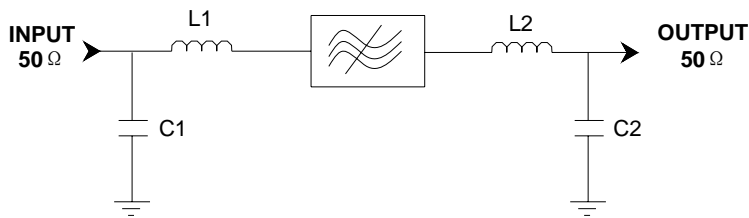
Parameter	Unit	Minimum	Typical	Maximum	
Center Frequency	MHz	69.85	70	70.15	
Insertion Loss	dB	-	27.6	28	
1.2 dB Bandwidth	MHz	9.2	9.31	-	
3 dB Bandwidth	MHz	9.4	9.49	-	
40 dB Bandwidth	MHz	-	10.36	10.4	
Passband Variation($f_0 \pm 4.5\text{MHz}$)	dB	-	0.8	1.2	
Group Delay Variation($f_0 \pm 4.5\text{MHz}$)	nsec	-	60	200	
Absolute Delay	usec	-	2.28	2.4	
Ultimate Rejection	$f_0 \pm 5.2\text{MHz}$	dB	30	41	-
	$f_0 \pm 6\text{MHz}$	dB	40	45	-
	$f_0 \pm 10\text{MHz}$	dB	40	46	-
	$f_0 \pm 15\text{MHz}$	dB	40	47	-
Material Temperature coefficient	KHz/°C	-1.26			
Substrate Material	-	112LT			
Ambient Temperature	°C	25			
DC Voltage	V	0			
Input Power	dBm	-	-	10	
ESD Class	-	1A			
Package Size	DIP3512 (35.0x12.8x4.7mm ³)				

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	LBT70A73	
		Rev. Date	2011-03-23	
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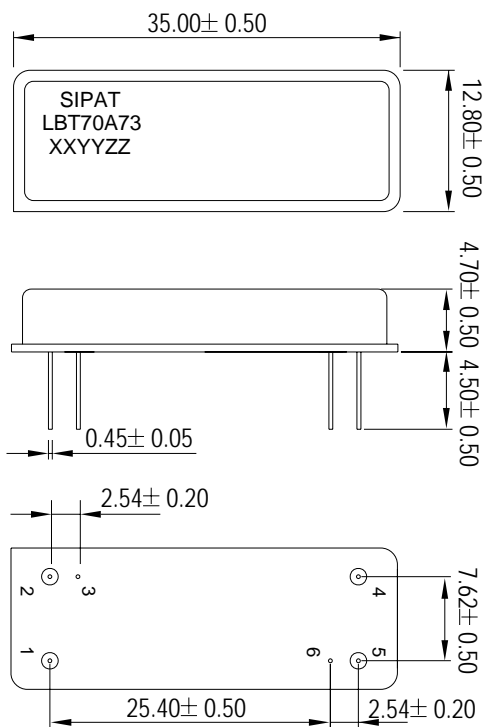
Matching Configuration



L1=220nH L2=150nH
C1=36pF C2=27pF
Source/Load Impedance=50 ohm

Notes - Component values may change depending
on board layout.

Package Dimension



Pad Configuration:

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

Marking Configuration:

- 1) SIPAT: Manufacturer Name
- 2) LBT70A73: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: DIP3512

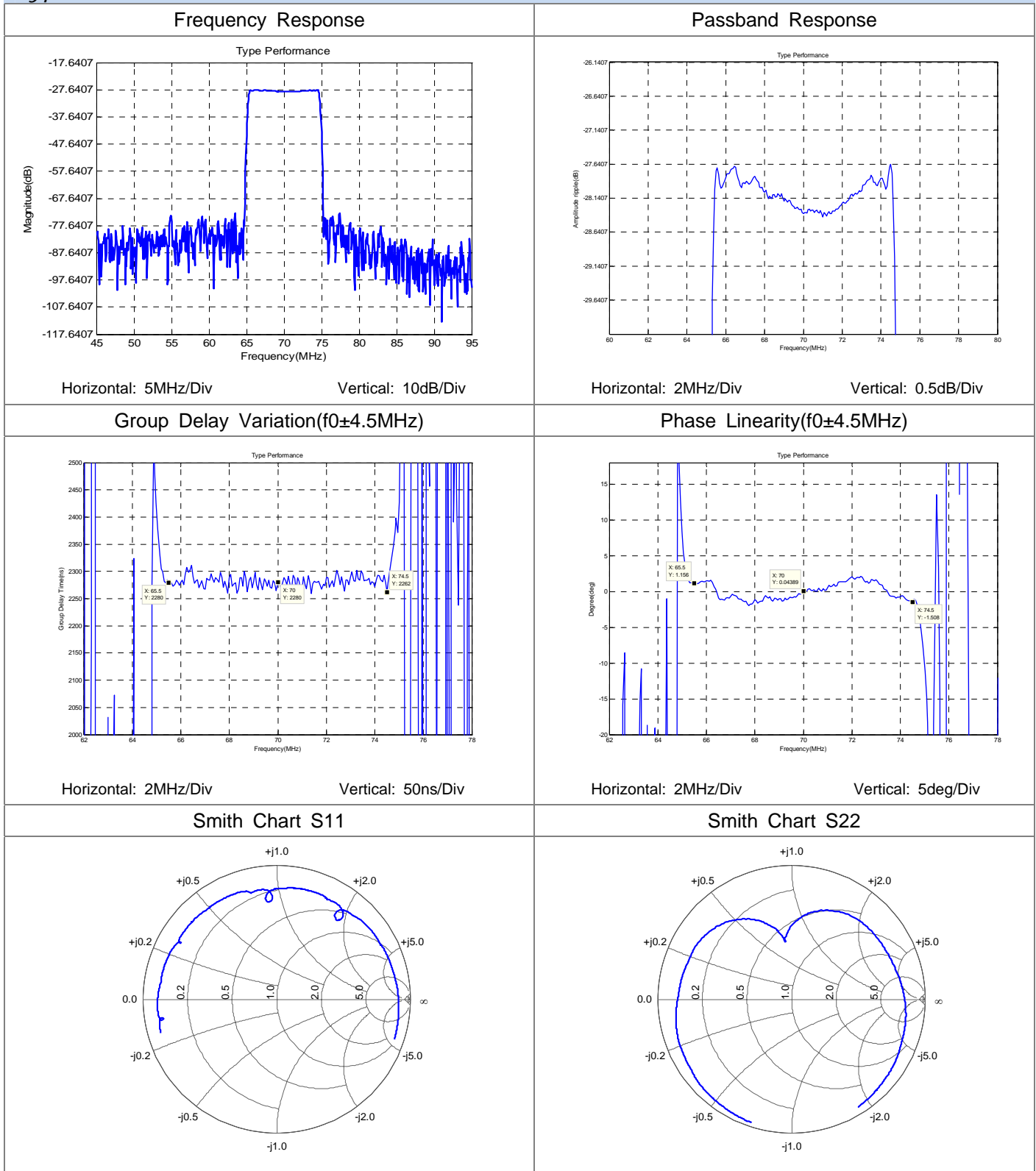
Unit: mm



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Typical Performance



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