



Features


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

Specifications

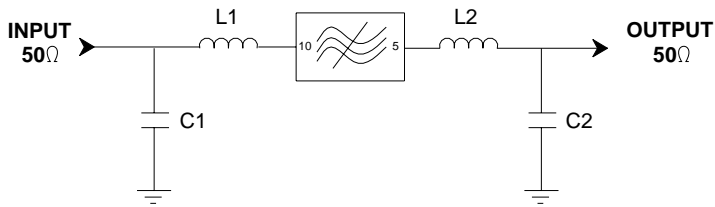
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.85	70	70.15
Insertion Loss	dB	-	26.9	28
1.2 dB Bandwidth	MHz	-	9.25	-
3 dB Bandwidth	MHz	9.4	9.47	-
35 dB Bandwidth	MHz	-	10.33	10.4
Passband Variation	dB	-	1	1.2
Absolute Delay	usec	-	2.28	2.4
Ultimate Rejection	dB	35	37	-
Material Temperature coefficient	KHz/°C	-1.3		
Substrate Material	-	112LT		
Ambient Temperature	°C	25		
Operating Temperature Range	°C	-25	-	+85
Storage Temperature Range	°C	-45	-	+105
DC Voltage	V	0		
Input Power	dBm	-	-	10
ESD Class	-	1A		
Package Size	SMD20*9.8			

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	LBT70A74	
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Matching Configuration



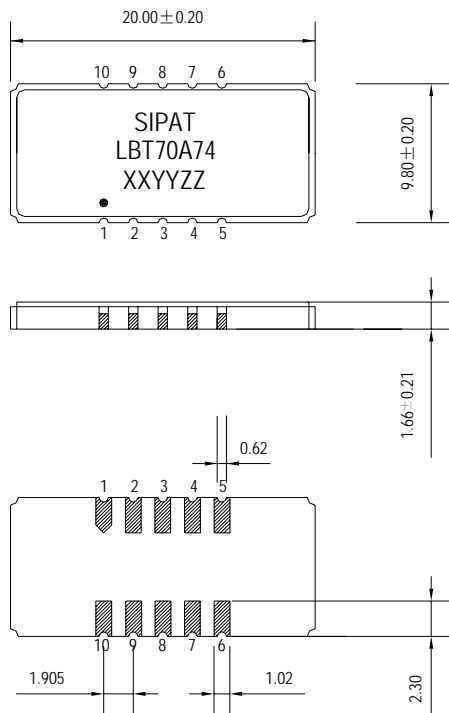
$$L1 = (180 + 22)nH \quad L2 = 150nH$$

$$C1 = C2 = 33pF$$

Source/Load Impedance = 50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 10

Output: 5

Ground: 1,2,3,4,6,7,8,9

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) SIPAT: Manufacturer Name
- 3) LBT70A74: Part Number
- 4) XXYY: Date (Year/month)
- 5) ZZ: Identified Code

Package: SMD20*9.8

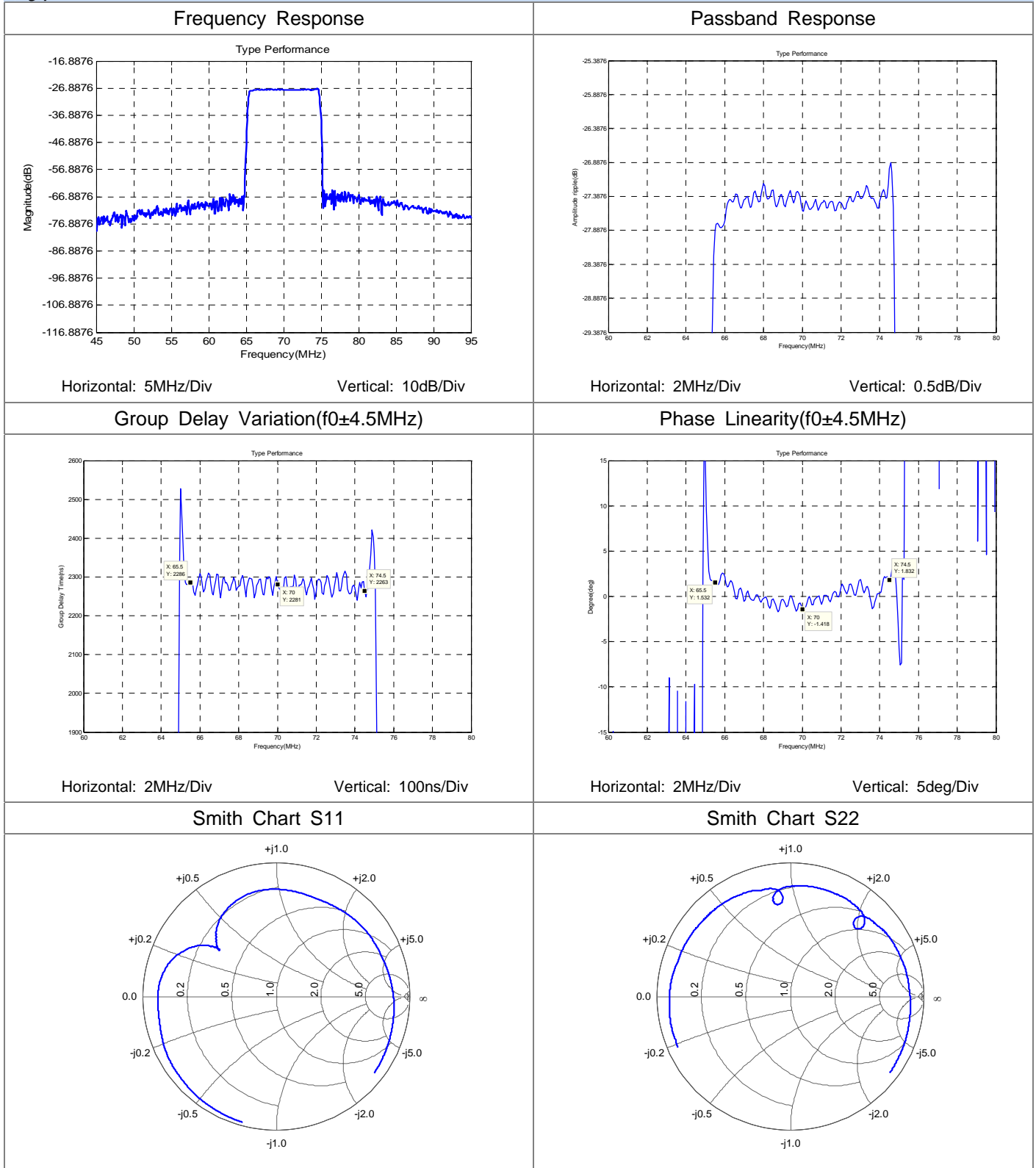
Unit: mm



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Typical Performance



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